

UNITED STATES AIR FORCE

OCCUPATIONAL SURVEY REPORT

F-16 AVIONIC SYSTEMS

AFSC 2A3X2

AFPT 90-2A3-085

APRIL 1997

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**OCCUPATIONAL MEASUREMENT SQUADRON
AIR FORCE OCCUPATIONAL MEASUREMENT SQUADRON
AIR EDUCATION AND TRAINING COMMAND
1550 5TH STREET EAST
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| | <u>OSR</u> | <u>ANL</u> <u>EXT</u> | <u>ACTIVE</u> <u>TNG</u> <u>EXT</u> | <u>JOB</u> <u>INV</u> | <u>GUARD/</u> <u>RES</u> <u>TNG</u> <u>EXT</u> |
|---|------------|--------------------------|---|--------------------------|---|
| AFOMS/OMDQ | 1 | | | | |
| AFOMS/OMYXL | 10 | | 5 | 10 | 5 |
| AL/HRMM | 2 | | | | |
| AL/HRTE | 1 | | 1 | | 1 |
| ANG/LGMM (3500 FETCHET AVENUE, ANDREW AFB MD 20762-5000) | 3 | | 3 | | 3 |
| ARMY OCCUPATIONAL SURVEY BRANCH | 1 | | | | |
| CCAF/AYX | 1 | | | | |
| DEFENSE TECHNICAL INFORMATION CENTER | 2 | | | | |
| HQ ACC/DPTTF | 3 | | 3 | | 3 |
| HQ AETC/DPPEE | 3 | | 3 | | 3 |
| HQ AFMC/DPUE | 3 | | 3 | | 3 |
| HQ AFPC/DPAAD5 | 1 | | | | |
| HQ AFPC/DPPAPC | 1 | | | | |
| HQ AFRES/LGQ (155 2ND STREET, ROBINS AFB GA 31088- 5000) | 3 | | 3 | | 3 |
| HQ AFSOC/DPPMT | 2 | | 2 | | 2 |
| HQ PACAF/DPAET | 3 | | 3 | | 3 |
| HQ USAF/ILMM | 1 | | 1 | | 1 |
| HQ USAFE/DPATTJ | 3 | | 3 | | 3 |
| HQ USMC/STANDARDS BRANCH | 1 | | | | |
| NAVMAC | 1 | | | | |
| USAFAMS/DTMP | 1 | | 1 | 1 | 1 |
| 162 FW/LGGGS48 (1800 EAST PERIMETER WAY, TUCSON, AZ 85706-6082) | 1 | | 1 | | 1 |
| 365 TRS/DOP (709 G AVENUE, STOP 242, SHEPPARD AFB TX 76311-2856) | 3 | 1 | 3 | 1 | 3 |
| 782 TRG/TTS (826 G AVENUE, STE 4, STOP 20, SHEPPARD AFB TX 76311-2858) | 1 | | 1 | | 1 |

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PREFACE

This report presents the results of an Air Force Occupational Survey of the F-16 Avionic Systems career ladder, Air Force Specialty Code (AFSC) 2A3X2A/B/C. Authority for conducting occupational surveys is contained in AFI 36-2623. Computer products used in this report are available for use by operations and training officials.

The survey instrument was developed by Mr. Robert E. Boerstler, who also analyzed the data and wrote the final report. Computer programming support and administrative support was provided by Mr. Tyrone Hill and Mr. Richard G. Ramos, respectively. This report has been reviewed and approved by Lieutenant Colonel Roger W. Barnes, Chief, Airman Analysis Section, Occupational Analysis Flight, Air Force Occupational Measurement Squadron (AFOMS).

Copies of this report are distributed to Air Staff sections, major commands, and other interested training and management personnel. Additional copies are available upon request to AFOMS, Attention: Chief, Occupational Analysis Flight (OMY), 1550 5th Street East, Randolph AFB Texas 78150-4449 (DSN 487-6623).

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SUMMARY OF RESULTS

1. **Survey Coverage:** The F-16 Avionic Systems career ladder was surveyed to provide current job and task data for use in updating career ladder documents and training programs. Survey results are based on responses from 1,366 Active Duty (AD), Air National Guard (ANG), and Air Force Reserve (AFRES) respondents, accounting for 57 percent of the total population surveyed.
2. **Specialty Jobs:** Fifteen jobs were identified in the career ladder structure analysis. Six of them totally oriented toward technical task performance of the F-16 and F-117 avionic systems and accounting for 75 percent of the population. The remaining nine are primarily support, supervisory, and management in nature.
3. **Career Ladder Progression:** Skill-level progression for members of this AFSC is typical of most career ladders. Three-skill level personnel spend the vast majority of their job time performing technical tasks in the various F-16/F-117 Avionic Systems jobs. At the 5-skill level, personnel are still heavily involved in F-16/F-117 Avionic Systems technical tasks. Personnel at the 7-skill level begin to become involved with workcenter supervision. ANG and AFRES 7-skill level personnel are more involved in technical tasks than their AD counterparts.
4. **Training Analysis:** The current Specialty Training Standard is well supported by survey data to provide training for the three current shreds of the AFSC. Several tasks were identified which are not currently being taught in the AFSC awarding courses and may be considered for inclusion in future training courses.
5. **Job Satisfaction:** In general, job satisfaction among AFSC 2A3X2 personnel is very good. Similar findings were noted when the current survey was compared to the previous survey and to the comparative sample of similar AFSCs. Respondents within the various job groups are satisfied with their jobs. First-enlistment personnel across several jobs responded with very low reenlistment intentions.
6. **Implications:** The current AFSC 2A3X2 career ladder structure reflects an overall normal job progression. Fifteen specific jobs were identified in the career ladder. Overall, job satisfaction is very good among career ladder incumbents. Reenlistment intentions for first-enlistment airmen is very low, even though they find their job interesting and perceive their talents and training as well utilized.

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**OCCUPATIONAL SURVEY REPORT (OSR)
F-16 AVIONIC SYSTEMS
(AFSC 2A3X2A/B/C)**

INTRODUCTION

This is a report of an occupational survey of the F-16 Avionic Systems career ladder conducted by the Air Force Occupational Measurement Squadron. The current F-16 Avionic Systems career ladder was created in October 1993 with the conversion from AFSC 452X2 to AFSC 2A3X2 under the "whole new classification system". Survey data will be used to identify current utilization patterns among career ladder personnel and evaluate career ladder documents and training programs. The last OSR published for the F-16 Avionic Systems career ladder was April 1991.

Background

As described in the AFMAN 36-2108 *Specialty Description*, dated October 1994, F-16 Avionic Systems personnel perform and manage installation, maintenance, and modification of F-16 Avionic Systems equipment. Duties include: performing preventive and scheduled maintenance, repairing, monitoring, installing, and modifying F-16 Avionic Systems equipment, and maintaining inspection and maintenance records of F-16 Avionic Systems equipment. More senior members inspect, evaluate and manage F-16 Avionic Systems equipment maintenance activities.

Personnel entering the AFSC 2A3X2 career ladder must attend the Electronic Principles course at Lackland AFB prior to attending one of the three shredded F-16 Avionic Systems Equipment Maintenance Apprentice courses at Sheppard AFB TX. Upon completion of this shredded basic course, the members are awarded the 3-skill level (2A332A, B, or C). These courses provide training in the knowledge and skills necessary to perform the duties of avionic maintenance personnel in Attack Control Systems, Instrument and Flight Control Systems, and Communication, Navigation, and Penetration Aids Systems of the F-16. Currently the F-117 systems are not taught in the 3-skill level AFSC awarding courses.

Entry into this career ladder currently requires an Armed Forces Vocational Aptitude Test Battery score of ELECTRONIC - 67; a strength factor of "K" (Weight lift of 70 lbs) is also required.

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SURVEY METHODOLOGY

Inventory Development

The data collection instrument for this occupational survey was USAF Job Inventory (JI) Air Force Personnel Test 90-2A3-085, dated February 1996. A tentative task list was prepared after reviewing pertinent career ladder publications and directives, pertinent tasks from the previous survey instrument, and data from the last OSR. The preliminary task list was refined and validated through personal interviews with 19 subject-matter experts (SMEs) at the technical training location and at the following installations:

| <u>BASE</u> | <u>UNIT VISITED</u> |
|-----------------|---------------------|
| Sheppard AFB TX | 365 TRS/DOP |
| Hill AFB UT | 388 OG/OGS |
| Shaw AFB SC | 20 OG/OSP |
| Tucson ANGB AZ | 162 FG/LGM |
| Luke AFB AZ | 56 OSS/OSPA |
| Holloman AFB AZ | 49 OG/CEM |

The resulting JI contains a comprehensive listing of 557 tasks grouped under 22 duty headings, and a background section requesting such information as grade, MAJCOM assigned, organizational level, job title, functional area, component status, schedule or shift worked, type aircraft maintained, type of equipment used or operated, and forms used.

Survey Administration

From June 1996 through October 1996, base training offices at operational units worldwide administered the inventory to eligible AFSC 2A3X2 personnel. Job incumbents were selected from a computer-generated mailing list obtained from personnel data tapes maintained by the Air Force Personnel Center, Randolph AFB TX. Each individual who completed the inventory first completed an identification and biographical information section and then checked each task performed in his or her current job. After checking all tasks performed, each member then rated each of these tasks on a 9-point scale, showing relative time spent on that task, as compared to all other tasks checked. The ratings ranged from 1 (very small amount time spent) through 5 (about average time spent) to 9 (very large amount time spent). To determine relative time spent for

each task checked by a respondent, all of the incumbent's ratings are assumed to account for 100 percent of his or her time spent on the job and are summed. Each task rating is then divided by the total task ratings and multiplied by 100 to provide a relative percentage of time for each task. This procedure provides a basis for comparing tasks in terms of both percent members performing and average percent time spent.

Survey Sample

Personnel were selected to participate in this survey so as to ensure an accurate representation across major commands (MAJCOM) and military paygrade groups. All eligible AFSC 2A3X2A/B/C personnel were mailed survey booklets. Table 1 reflects the percentage distribution, by MAJCOM, of assigned AFSC 2A3X2 personnel as of March 1996. The 1,366 respondents in the final sample represent 53 percent of the total assigned personnel and 57 percent of the total personnel surveyed. Table 2 reflects the paygrade distribution for these AFSC 2A3X2 personnel.

TABLE 1

COMMAND DISTRIBUTION OF 2A3X2 PERSONNEL

| COMMAND | PERCENT OF ASSIGNED* | PERCENT OF SAMPLE |
|---------|-------------------------|----------------------|
| ACC | 26 | 28 |
| AETC | 11 | 13 |
| PACAF | 11 | 12 |
| USAFE | 7 | 6 |
| AFMC | 4 | 4 |
| ANG | 35 | 32 |
| AFRES | 6 | 5 |

TOTAL ASSIGNED = 2,598*

TOTAL SURVEYED = 2,396**

TOTAL IN SURVEY SAMPLE = 1,366

PERCENT OF ASSIGNED IN SAMPLE = 53%

PERCENT OF SURVEYED IN SAMPLE = 57%

* Assigned strength as of March 1996

** Excludes personnel in PCS, student, or hospital status, or less than 6 weeks on the job

TABLE 2
PAYGRADE DISTRIBUTION OF SURVEY SAMPLE

| GRADE | PERCENT OF ASSIGNED* | PERCENT OF SAMPLE |
|-----------|-------------------------|----------------------|
| E-1 - E-3 | 9 | 11 |
| E-4 | 37 | 38 |
| E-5 | 24 | 23 |
| E-6 | 16 | 16 |
| E-7 | 12 | 10 |
| E-8 | 2 | 2 |
| E-9 | 0 | 0 |

* Assigned strength as of March 1996

Both Command and Paygrade distribution of the survey sample are close to the percent assigned. This indicates the sample is a true representation of the career ladder population.

Task Factor Administration

Job descriptions alone do not provide sufficient data for making decisions about career ladder documents or training programs. Task factor information is needed for a complete analysis of the career ladder. To obtain the needed task factor data, selected senior AFSC 2A3X2 personnel (generally E-6 or E-7 craftsmen) also completed a second booklet for either training emphasis (TE) or task difficulty (TD). These booklets were processed separately from the JIs. This information is used in a number of different analyses discussed in more detail within the report.

Training Emphasis (TE): TE is a rating of the amount of emphasis that should be placed on tasks in entry-level training. The 83 senior NCOs who completed a TE booklet were asked to select tasks they felt required some sort of structured training for entry-level personnel and then indicate how much training emphasis these tasks should receive, from 1 (extremely low emphasis) to 9 (extremely high emphasis). Structured training is defined as training provided at

resident technical schools, field training detachments, mobile training teams, formal on-the-job-training (OJT), or any other organized training method. Interrater agreement for these 83 raters was acceptable. The average TE rating was 2.98, with a standard deviation of 1.97. Any task with a TE rating of 4.95 or above is considered to have high TE.

Task Difficulty (TD): TD is an estimate of the amount of time needed to learn how to do each task satisfactorily. The 79 senior NCOs who completed TD booklets were asked to rate the difficulty of each task using a 9-point scale (extremely low to extremely high). Interrater reliability was acceptable. Ratings were standardized, so tasks have an average difficulty of 5.00 and a standard deviation of 1.00. Any task with a TD rating of 6.00 or above is considered to be difficult to learn.

When used in conjunction with the primary criterion of percent members performing, TE and TD ratings can provide insight into first-enlistment personnel training requirements. Such insights may suggest a need for lengthening or shortening portions of instruction supporting entry-level jobs.

SPECIALTY JOBS (Career Ladder Structure)

The first step in the analysis process is to identify the structure of the career ladder in terms of the jobs performed by the respondents. The Comprehensive Occupational Data Analysis Program (CODAP) assists by creating an individual job description for each respondent based on the tasks performed and relative amount of time spent on these tasks. The CODAP automated job clustering program then compares all the individual job descriptions, locates the two descriptions with the most similar tasks and time spent ratings, and combines them to form a composite job description. In successive stages, CODAP either adds new members to this initial group, or forms new groups based on the similarity of tasks and time spent ratings.

The basic group used in the hierarchical clustering process is the Job. When two or more jobs have a substantial degree of similarity, in tasks performed and time spent on tasks, they are grouped together and identified as a Cluster. The structure of the career ladder is then defined in terms of jobs and clusters of jobs.

Overview of Specialty Jobs

Based on the analysis of tasks performed and the amount of time spent performing each task, 15 independent jobs were identified within the career ladder. Figure 1 illustrates the jobs performed by AFSC 2A3X2 personnel.

A listing of these jobs is provided below. The stage (ST) number shown beside each title references computer printed information, the letter "N" indicates the number of personnel in each group.

- I. AIRCRAFT GENERATION JOB (ST066, N=17)
- II. "A" SHOP JOB (ST122, N=121)
- III. "B" SHOP JOB (ST170, N=32)
- IV. "C" SHOP JOB (ST099, N=71)
- V. F-16 INTEGRATED AVIONICS JOB (ST237, N=742)
- IV. F-117A INTEGRATED AVIONICS JOB (ST261, N=56)
- VII. MAINTENANCE TRAINING SUPERVISOR JOB (ST116, N=10)
- VIII. INSTRUCTOR JOB (ST038, N=18)
- IX. DEBRIEFING JOB (ST078, N=23)
- X. EQUIPMENT SUPPORT JOB (ST062, N=22)
- XI. EXPEDITER JOB (ST086, N=9)
- XII. QUALITY ASSURANCE JOB (ST090, N=26)
- XIII. SUPERVISOR JOB (ST085, N=78)
- XIV. SAFETY/SECURITY JOB (ST077, N=7)
- XV. TECHNICAL ORDER DISTRIBUTION ACCOUNT JOB (ST103, N=8)

The respondents forming these jobs account for 92 percent of the survey sample. The remaining 8 percent, for one reason or another, did not group into one of these jobs. Examples of job titles for these people include CDC Writer, Dormitory Manager, Mobility NCO, Hazardous Waste Manager, Resource Advisor, and Special Projects Manager.

AFSC 2A3X2 CAREER LADDER JOBS (N=1,366)

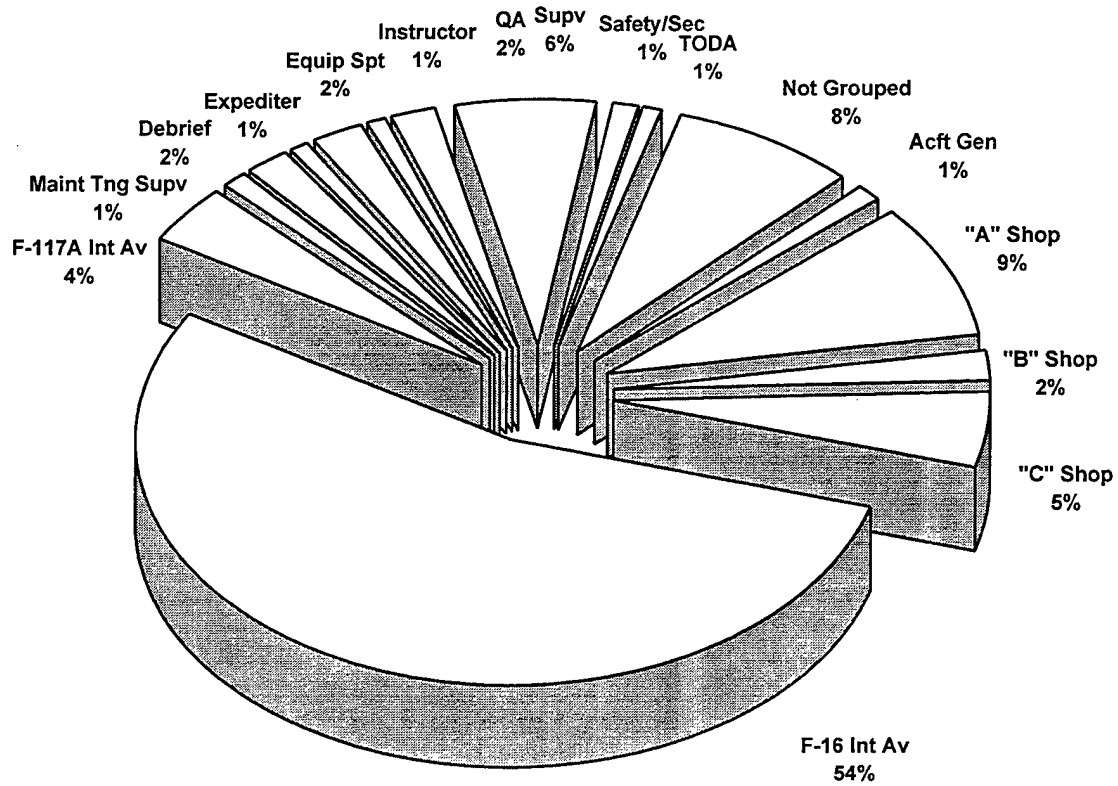


FIGURE 1

Group Descriptions

The following paragraphs contain brief descriptions of the jobs identified through the career ladder structure analysis. Table 3 presents the relative time spent on duties by members of these specialty jobs. Selected background data for these jobs are provided in Table 4. Representative tasks for all the groups are contained in Appendix A. Table 5 shows a job comparison between the current and 1991 surveys.

I. AIRCRAFT GENERATION JOB (ST066). The 17 airmen performing this job (only 1 percent of the survey sample) represent avionics personnel who spend a high percentage of their time performing aircraft generation duties. This means more general F-16/F-117 Avionic Systems maintenance tasks, which are closely associated with quick fixes to support sortie generation, such as operational checks and preflight alignments, along with the Cross Utilization Training (CUT) tasks, such as launching and recovering aircraft. They perform an average of 80 tasks indicating a relatively narrow job, with 39 percent of their time performing tasks of General Avionic Maintenance Activities (Duty F) and 12 percent of their time performing tasks of General Aircraft or CUT Activities (Duty V) as reflected in Table 3. Distinctive tasks performed include:

- operationally check INSs
- operationally check UFCs
- operate head up display (HUD) systems for integrated troubleshooting
- remove or install glare shields
- launch or recover aircraft
- inspect flightline support equipment
- operationally check panel lighting
- perform preflight INS alignments

The majority of these airmen hold either the 2A332A- or 2A352B-skill level. All job incumbents are in their first enlistment. The average time in the career field is only 27 months. The predominant paygrade is E-5. Forty-one percent are Active Duty (AD), 41 percent are Air National Guard (ANG), and 18 percent are Air Force Reserve (AFRES), which indicates like utilization across the total force. One-hundred percent of the AD respondents are in their first enlistment. Furthermore, 82 percent of these members report they are assigned to units within the United States.

II. "A" SHOP JOB (ST122). The 121 airmen forming this job (9 percent of the survey sample) are fairly evenly divided between 3- and 5-skill level "A" shred personnel. This job reflects the initial assignment of personnel after completing the "A" shred technical school.

They perform an average of 129 tasks, indicating their diversity in performing both general avionics tasks and those associated with "A" Shop Attack Control Systems duties. Distinct tasks performed include:

- operationally check INSS
- operationally check HUD systems
- remove or install HUD system LRUs
- remove or install FCR system LRUs
- remove or install INS LRUs
- isolate malfunctions to FCR system LRUs
- operate FCCs or GACs for integrated avionic systems
- operate FCR for operational checks or troubleshooting of other systems
- operate head up display (HUD) systems for integrated troubleshooting
- isolate malfunctions to fire control computers (FCCs) or general avionics computers (GACs)
- interpret BIT results on FCR systems
- operationally check FCC or GAC systems

Predominant paygrades in this job are E-3 and E-4. Their average time in service is 36 months and average time in the career field is only 31 months. Seventy-nine percent are AD, 19 percent ANG, and only 2 percent AFRES. Eighty-five percent of these members report they are assigned to units within the United States..

III. "B" SHOP JOB (ST170). The 32 airmen forming this job (2 percent of the survey sample) are distinguished by spending 43 percent of their time on "B" shred Instrument and Flight Control Systems duties (Table 3). Another 26 percent of their time is spent performing General Avionic Maintenance tasks. The respondents forming this job, like the previous "A" Shop Job, are initially trained in the "B" shred and perform in that capacity initially until they gain experience in the other two shreds. They average 140 tasks, indicating the diversity of this job. Typical tasks performed by these airmen are:

- remove or install flight control system LRUs
- perform flight control systems self-tests or BITs
- calibrate fuel quantity indicating systems
- isolate malfunctions of flight control systems
- remove or install central air data system LRUs
- isolate malfunctions of fuel quantity indicating systems
- perform flight control manual trim checks
- operationally check fuel quantity indicating systems

- operationally check AOA indicating systems
- isolate malfunctions of air data systems
- inspect aircraft wiring
- isolate malfunctions of central air data computers (CADC)
- operationally check central air data systems

Like the "A" Shop Job personnel, the "B" Shop Job personnel are evenly divided between 3- and 5-skill levels. The average time in the career field is 40 months and the average time in the service is 4 years. The predominant paygrades are E-4 and E-5. Sixty-three percent are AD and 37 percent are ANG. Ninety-eight percent of these members report they are assigned to units within the United States.

IV. "C" SHOP JOB (ST099). Comprising 5 percent of the survey sample, these 71 airmen perform the tasks associated with "C" shred functions. Like the two previous jobs, this is one of the last remains of the utilization of shreds within the AFSC before becoming integrated to perform nose to tail avionics functions. They average 97 tasks, with 50 percent of their time spent performing distinct COMM/NAV/PEN Aids activities (Table 3). Representative tasks performed by this job include:

- remove or install UHF system LRUs
- insert mode-4 code
- operationally check UHF systems
- operationally check VHF systems
- isolate malfunctions of UHF systems
- remove or install VHF system LRUs
- isolate malfunctions of VHF systems
- remove or install UHF antennas
- remove or install RTWS LRUs
- insert codes into secure voice units
- operationally check TACAN systems
- operationally check intercommunication systems
- operationally check secure voice systems
- operationally check IFF systems

The average time in service for this job is just 25 months and the average time in service is 35 months. Again, the majority of personnel in this job hold the 3 or 5-skill level. The predominant paygrades are E-3 to E-5. Fifty-six percent are AD, 38 percent are ANG, and 8 percent are AFRES. Ninety-three percent are assigned within the continental United States.

V. F-16 INTEGRATED AVIONICS JOB (ST237). The 742 members of this job perform the core job of the career ladder. They account for 54 percent of the career ladder and reflect how the field is functioning as a shredless AFSC. These airmen perform an average of 266 tasks, the broadest of the career ladder, which reflects the diversity of the tasks performed on all of the F-16 avionic systems. This job has fairly even distribution of percent time spent across Attack Control Systems, Instrument and Flight Control Systems, and COMM/NAV/PEN Aids systems (Table 3). Commonly performed tasks include:

- operate interphone systems to troubleshoot integrated avionics systems
- inspect aircraft wiring
- remove or install UHF system LRUs
- remove or install cannon-plug or wafer connectors
- operationally check HSIs
- remove or install HSIs
- operationally check UHF systems
- operationally check INSs
- operate head up display (HUD) systems for integrated troubleshooting
- remove or install INS LRUs
- remove or install FCR system LRUs
- operationally check VHF systems
- operationally check HUD systems
- remove or install avionic systems relays or relay matrixes
- remove or install UHF antennas

Twenty percent of the members of this job hold the 5-skill level and 38 percent report holding the 7-skill level. The average time in service is almost 7 years and the average time in the career ladder is almost 8 years. Fifty-four percent of the incumbents of this job are AD, 41 percent are ANG, and 5 percent are AFRES. Only 19 percent are assigned overseas.

VI. F-117A INTEGRATED AVIONICS JOB (ST261). Comprising 4 percent of the survey sample, these 56 airmen are performing nose to tail avionic functions on the F-117. Like the F-16, these job incumbents are performing as a shredless AFSC maintaining Attack Control Systems, Instrument and Flight Control Systems, and COMM/NAV/PEN Aids Systems. As seen in Table 3, these members perform the tasks of nearly every duty. Members perform an average of 187 tasks, which include some of the F-117 specific systems such as the infrared acquisition and designation (IRAD) and navigation interface autopilot computer (NIAC). Representative tasks include:

- remove or install IRAD LRUs
- perform BIT on NIACs
- remove or install LOIS LRUs
- operationally check ADIs
- isolate malfunctions of navigation interface autopilot computers (NIACs)
- remove or install NIAC LRUs
- adjust avionic systems minor hardware, such as control knobs
- remove or install UHF antennas
- isolate malfunctions of UHF antennas
- remove or install AHRS LRUs
- operationally check ILS systems
- perform BIT of IRAD systems

Thirty percent of these members hold a 7-skill level. The average time in the career ladder is almost 6 1/2 years, with an average 7 1/2 years in service. The paygrades range from E-4 to E-5. Since there are no F-117s in the Reserve Forces, all incumbents are AD. Furthermore, 98 percent of these members report they are assigned within the United States.

VII. MAINTENANCE TRAINING SUPERVISOR JOB (ST116). The 10 members of this job are responsible for the supervisory functions of various types of maintenance training activities. They are either Field Training Instructor Supervisors or Maintenance Training Supervisors. They perform an average of 207 tasks, which reflects their diversity of performing both supervisory and technical tasks. Distinctive tasks performed include:

- plan or schedule work assignments or priorities
- determine or establish logistics requirements, such as personnel, equipment, tools, parts, supplies, or workspace
- initiate or annotate aircraft flight or maintenance records, such as AF Forms 781 series
- conduct self-inspections or self-assessments
- counsel subordinates concerning personal matters
- determine or establish work assignments or priorities
- develop self-inspection or self-assessment program checklists
- write performance reports or supervisory appraisals
- supervise military personnel
- direct training functions

Ninety percent of the members in this specialty job hold a 7-skill level and 100 percent are AD. The predominant paygrades range from E-6 to E-7. Total time in service averages over 15 1/2 years, while averaging just over 11 1/2 years in the career field. Eighty percent report being assigned to units in the United States.

VIII. INSTRUCTOR JOB (ST038). The 18 members in this job are instructors at either the technical school or field training. As reflected in Table 3, these airmen spend 32 percent of their time performing training activities within Duty B. They represent 1 percent of the sample and perform an average of only 47 tasks, indicating their specialization as instructors. Typical of the training related tasks performed by this job are:

- personalize lesson plans
- administer or score tests
- conduct formal course classroom training
- evaluate progress of trainees
- counsel trainees on training progress
- evaluate personnel for compliance with performance standards
- inspect training materials or aids for operation or suitability
- maintain technical order libraries
- inventory equipment, tools, parts, or supplies
- initiate or annotate aircraft flight or maintenance records, such as AF Forms 781 series
- maintain training records or files
- develop training materials or aids
- establish or maintain study reference files

Thirty-nine percent of these members are 7-skill levels and 100 percent are AD. The predominant paygrades are E-5 and E-6. They average over 12 years in the service and just over 10 years in the career field. All members of this job are assigned within the United States.

IX. DEBRIEFING JOB (ST078). Comprising only 2 percent of the survey sample, these 23 airmen are performing debriefing activities of Duty C, which consumes 68 percent of their time, the highest percentage of any other job. Additionally, 18 percent of their time is spent performing the supervisory and management tasks of Duty A (Table 3). Members perform an average of only 15 tasks, reflecting their narrow specialty as maintenance debriefers. Common tasks include:

- access core automated maintenance system (CAMS) menus and data screens
- retrieve CAMS listings or reports

- review aircraft flight or maintenance records, such as AF Forms 781 series
- verify accuracy of CAMS daily inputs
- initiate or annotate aircraft flight or maintenance records, such as AF Forms 781 series
- update maintenance data collection (MDC) data in CAMS
- update historical reports in CAMS
- analyze CAMS data

Forty-three percent of this job hold the 7-skill level, with the predominant paygrades of E-4 to E-6. The average time in the career ladder is just over 7 years, with members averaging just under 8 years in service.

X. EQUIPMENT SUPPORT JOB (ST062). The 22 members of this job comprise only 2 percent of the survey sample. As reflected in Table 3, these airmen spend 37 percent of their time performing general supply and equipment activities within Duty E, by far the highest of any job in the career ladder. They perform an average of only 40 tasks, indicating their specialization. Tasks which distinguish this job from the others include:

- inventory equipment, tools, parts, or supplies
- evaluate serviceability of equipment, tools, parts, or supplies
- pick up or deliver equipment, tools, parts, or supplies
- identify and report equipment or supply problems
- initiate requisitions for equipment, tools, parts, or supplies
- store equipment, tools, parts, or supplies
- issue or log turn-ins of equipment, tools, parts, or supplies
- coordinate maintenance of equipment with appropriate agencies
- access core automated maintenance system (CAMS) menus and data screens
- maintain documentation on items requiring periodic inspections
- maintain organizational equipment or supply records, such as custodian authorization/custody receipt listings (CA/CRLs)
- determine or establish logistics requirements, such as personnel, equipment, tools, parts, supplies, or workspace
- initiate documentation to turn in excess or surplus property

Forty-five percent of these airmen are at the 7-skill level and 50 percent are at the 5-skill level. The predominant paygrades are E-4 and E-5. Ninety-five percent are AD and 5 percent are ANG. The members of this job average 9 years in the career ladder and almost 11 years in the service.

XI. EXPEDITER JOB (ST086). This job of only 9 members represents 1 percent of the survey sample. They perform a low average of only 34 tasks relating to the expeditor activities of scheduling and managing work assignments of avionics personnel. These members spend 42 percent of their time performing management and supervisory tasks of Duty A. Additionally, these members perform 30 percent of their time performing maintenance management tasks of Duty C, second only to the Debriefing Job (Table 3). Representative tasks include:

- determine or establish work assignments or priorities
- plan or schedule work assignments or priorities
- review aircraft flight or maintenance records, such as AF Forms 781 series
- initiate or annotate aircraft flight or maintenance records, such as AF Forms 781 series
- adjust daily maintenance plans to meet operation commitments
- analyze CAMS data
- determine or establish logistics requirements, such as personnel, equipment, tools, parts, supplies, or workspace
- review preventive maintenance schedules
- maintain or update status indicators, such as boards, graphs, or charts
- develop or establish work schedules
- coordinate maintenance of equipment with appropriate agencies
- clear Red-X conditions
- coordinate supply-related matters with appropriate agencies
- pick up or deliver equipment, tools, parts, or supplies
- assign personnel to work areas or duty positions

All of these members hold the 7-skill level with an average of 16 1/2 years service and 10 1/2 years in the career ladder. The predominant paygrade is E-7. Forty-four percent are AD and 56 percent are ANG.

XII. QUALITY ASSURANCE JOB (ST090). The 26 members of this job perform the functions of quality assurance (QA). As reflected in Table 3, they spend 40 percent of their time performing management and supervisory tasks of Duty A, which is almost as much as the expeditors. The difference is in the tasks performed by QA personnel, such as technical order maintenance, maintenance records and inspections. They perform an average of 60 tasks. Distinctive QA tasks performed include:

- review aircraft flight or maintenance records, such as AF Forms 781 series
- evaluate job hazards or compliance with Air Force Occupational Safety and Health (AFOSH) Program
- review technical order changes
- write inspection reports
- conduct safety inspections of equipment or facilities
- initiate or annotate aircraft flight or maintenance records, such as AF Forms 781 series
- retrieve CAMS listings or reports
- evaluate serviceability of equipment, tools, parts, or supplies
- participate in TCTO meetings
- inspect airframe
- inspect aircraft landing gear systems
- conduct self-inspections or self-assessments
- inspect flightline support equipment
- review drafts of regulations, manuals, or other directives

Ninety-six percent of the members in this specialty job hold a 7-skill level. The predominant paygrade is E-7. Total time in service averages 13 1/2 years. Fifty-four percent report being AD, while 46 percent are in the ANG.

XIII. SUPERVISOR JOB (ST085). The 78 members of this job comprise 6 percent of the survey sample and perform the various supervisory functions of the career ladder. As reflected in Table 3, they spend 56 percent of their time performing the management and supervisory tasks of Duty A, such as establishing work schedules, writing performance reports, and counseling subordinates. This group is not unlike the supervisory group identified in any other career ladder, spending virtually all of their time performing supervisory and management tasks and little or no technical tasks. They perform an average of 78 tasks. Distinctive tasks performed include:

- supervise military personnel
- inspect personnel for compliance with military standards
- conduct supervisory performance feedback sessions
- write recommendations for awards or decorations
- counsel subordinates concerning personal matters
- determine or establish work assignments or priorities
- evaluate personnel for compliance with performance standards
- establish performance standards for subordinates
- write performance reports or supervisory appraisals
- develop or establish work schedules
- conduct supervisory orientations for newly assigned personnel

- plan or schedule work assignments or priorities
- interpret policies, directives, or procedures for subordinates
- assign personnel to work areas or duty positions
- develop or establish work methods or procedures
- evaluate personnel for promotion, demotion, reclassification, or special awards

One-hundred percent of the members in this specialty job hold a 7-skill level. The predominant paygrade is E-7. Total time in service averages almost 17 years. Eighty-one percent report being AD, while 19 percent are in the ANG.

XIV. SAFETY/SECURITY JOB (ST077). The 7 members of this job comprise only 1 percent of the survey sample. As reflected in Table 3, these airmen spend 70 percent of their time performing supervisory and management tasks within Duty A. Although this is higher than the Supervisor Job, the specific tasks performed within this duty area distinguish this job from all others. They perform a low average of only 35 tasks, reflecting their limited scope of responsibility. This job performs more general functions, such as inspecting units and personnel for compliance, writing reports, and planning safety or security programs. Distinctive tasks performed include:

- participate in general meetings, such as staff meetings, briefings, conferences, or workshops, other than conducting
- conduct self-inspections or self-assessments
- write replies to inspection reports
- plan briefings, conferences, or workshops
- conduct general meetings, such as staff meetings, briefings, conferences, or workshops
- write inspection reports
- draft agenda for general meetings, such as staff meetings, briefings, conferences, or workshops
- plan safety or security programs
- evaluate safety or security programs
- review drafts of regulations, manuals, or other directives

Eighty-six percent of these airmen are at the 7-skill level. The predominant paygrade is E-7. All are AD. The members of this job average over 17 1/2 years in the service.

XV. TECHNICAL ORDER DISTRIBUTION ACCOUNT JOB (ST103). The 8 members of this job comprise only 1 percent of the survey sample. As reflected in Table 3, these airmen spend 73 percent of their time performing general administrative and technical data

activities of Duty D. They perform an average of only 10 tasks, by far the lowest of the career ladder. As a technical order distribution account (TODA) custodian, this job entails the acquisition, control, and updating of technical order libraries. Distinctive tasks performed include:

- review technical order changes
- maintain ATOMS accounts
- maintain technical order libraries
- destroy classified materials
- establish accountability records for classified materials or documents
- inventory classified materials
- establish automated technical order management system (ATOMS) accounts
- maintain publication libraries, other than technical order libraries
- conduct self-inspections or self-assessments
- conduct safety inspections of equipment or facilities
- review publishing bulletins
- safeguard classified materials
- maintain accountability records for classified materials or documents

Twenty-five percent of these airmen are at the 7-skill level and 62 percent are at the 5-skill level. The predominant paygrade is E-4. All are AD. The members of this job average 9 1/2 years in the service.

Comparison to Previous Study

For the most part, the functions of the 2A3X2 AFSC career ladder structure have remained the same, with the addition of the F-117 and aircraft generation jobs (see Table 5).

The main difference has been the utilization of personnel across shreds to perform as a shredless AFSC after initial assignment and exposure to the other shreds.

TABLE 3

RELATIVE PERCENT TIME SPENT ON DUTIES BY SPECIALTY JOBS

| DUTIES | ACFT GENERATION JOB (ST066) (N=17) | "A" SHOP JOB (ST122) (N=121) | "B" SHOP JOB (ST170) (N=32) | "C" SHOP JOB (ST099) (N=71) | F-16 INT AVIONICS JOB (ST237) (N=742) |
|--|--|--|---|---|---|
| A PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES | 2 | 1 | 2 | 1 | 3 |
| B PERFORMING TRAINING ACTIVITIES | * | * | 1 | * | 1 |
| C PERFORMING MAINTENANCE MANAGEMENT ACTIVITIES | 5 | 4 | 3 | 4 | 4 |
| D PERFORMING GENERAL ADMINISTRATIVE AND TECHNICAL DATA ACTIVITIES | 1 | 1 | * | 3 | 2 |
| E PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES | 3 | 2 | 1 | 2 | 2 |
| F PERFORMING GENERAL AVIONIC MAINTENANCE ACTIVITIES | 39 | 31 | 26 | 21 | 24 |
| G MAINTAINING FIRE CONTROL RADAR SYSTEMS | 4 | 7 | 1 | 2 | 3 |
| H MAINTAINING INERTIAL NAVIGATIONAL SYSTEMS (INS) | 6 | 6 | 2 | 2 | 3 |
| I MAINTAINING FIRE CONTROL COMPUTER OR COMPUTER COMPLEX SYSTEMS | 3 | 6 | 1 | 1 | 3 |
| J MAINTAINING HEAD UP DISPLAY (HUD) AND COCKPIT TELEVISION VIDEO SENSOR (CTVS) SYSTEMS | 4 | 9 | 1 | 1 | 5 |
| K MAINTAINING HEAD DOWN DISPLAY SYSTEMS | 2 | 4 | 1 | 1 | 2 |
| L MAINTAINING FLIGHT CONTROL SYSTEMS | 3 | 1 | 14 | * | 6 |
| M MAINTAINING GENERAL AIR DATA COMPUTER SYSTEMS | 2 | 1 | 7 | * | 3 |
| N MAINTAINING ENGINE AND FUEL INSTRUMENT SYSTEMS | 2 | * | 10 | * | 5 |
| O MAINTAINING FLIGHT INSTRUMENT SYSTEMS | 1 | * | 12 | 1 | 5 |
| P MAINTAINING COMMUNICATION SYSTEMS | 3 | 3 | 3 | 23 | 9 |
| Q MAINTAINING NAVIGATIONAL SYSTEMS | 3 | 2 | 2 | 14 | 6 |
| R MAINTAINING PENETRATION AIDS AND ELECTRONIC COUNTERMEASURE SYSTEMS | 2 | 3 | 2 | 13 | 5 |
| S MAINTAINING LOW-ALTITUDE NAVIGATION AND TARGETING INFRARED FOR NIGHT (LANTRN) TARGETING PODS | * | 4 | 1 | 2 | 1 |
| T MAINTAINING LANTRN NAVIGATIONAL PODS | * | 5 | * | 2 | 1 |
| U PERFORMING BLOCK-50 ACTIVITIES | 1 | * | * | * | * |
| V PERFORMING GENERAL AIRCRAFT OR CROSS UTILIZATION TRAINING (CUT) ACTIVITIES | 12 | 7 | 8 | 7 | 6 |

* Indicates less than 1 percent

TABLE 3 (CONTINUED)

RELATIVE PERCENT TIME SPENT ON DUTIES BY SPECIALTY JOBS

| DUTIES | F-117A INT AVIONICS JOB (ST261) (N=56) | MAINT TNG SUPERVISOR JOB (ST116) (N=10) | INSTRUCTOR JOB (ST038) (N=18) | DEBRIEFING JOB (ST078) (N=23) | EQUIP SUPPORT JOB (ST062) (N=22) |
|---|--|---|--|--|--|
| A PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES | 4 | 28 | 14 | 18 | 33 |
| B PERFORMING TRAINING ACTIVITIES | 1 | 11 | 32 | 6 | 6 |
| C PERFORMING MAINTENANCE MANAGEMENT ACTIVITIES | 5 | 7 | 3 | 68 | 5 |
| D PERFORMING GENERAL ADMINISTRATIVE AND TECHNICAL DATA ACTIVITIES | 3 | 5 | 7 | 6 | 17 |
| E PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES | 2 | 3 | 6 | 1 | 37 |
| F PERFORMING GENERAL AVIONIC MAINTENANCE ACTIVITIES | 25 | 16 | 8 | 0 | 2 |
| G MAINTAINING FIRE CONTROL RADAR SYSTEMS | * | 2 | 1 | 0 | 0 |
| H MAINTAINING INERTIAL NAVIGATIONAL SYSTEMS (INS) | 3 | 2 | * | 0 | 0 |
| I MAINTAINING FIRE CONTROL COMPUTER OR COMPUTER COMPLEX SYSTEMS | 3 | 3 | 1 | 0 | * |
| J MAINTAINING HEAD UP DISPLAY (HUD) AND COCKPIT TELEVISION VIDEO SENSOR (CTVS) SYSTEMS | 5 | 3 | 1 | 0 | 0 |
| K MAINTAINING HEAD DOWN DISPLAY SYSTEMS | 5 | 2 | 1 | 0 | 0 |
| L MAINTAINING FLIGHT CONTROL SYSTEMS | 8 | 2 | 1 | 0 | 0 |
| M MAINTAINING GENERAL AIR DATA COMPUTER SYSTEMS | 4 | 1 | 1 | 0 | 0 |
| N MAINTAINING ENGINE AND FUEL INSTRUMENT SYSTEMS | * | 2 | * | 0 | 0 |
| O MAINTAINING FLIGHT INSTRUMENT SYSTEMS | 4 | 1 | 1 | 0 | 0 |
| P MAINTAINING COMMUNICATION SYSTEMS | 7 | 2 | 7 | 0 | 0 |
| Q MAINTAINING NAVIGATIONAL SYSTEMS | 10 | 2 | 8 | 0 | 0 |
| R MAINTAINING PENETRATION AIDS AND ELECTRONIC COUNTERMEASURE SYSTEMS | 0 | 2 | 3 | 0 | 0 |
| S MAINTAINING LOW-ALTITUDE NAVIGATION AND TARGETING INFRARED FOR NIGHT (LANTIRN) TARGETING PODS | 0 | 0 | 1 | 0 | 0 |
| T MAINTAINING LANTIRN NAVIGATIONAL PODS | 0 | 0 | * | 0 | 0 |
| U PERFORMING BLOCK-50 ACTIVITIES | 0 | 1 | 0 | 0 | * |
| V PERFORMING GENERAL AIRCRAFT OR CROSS UTILIZATION TRAINING (CUT) ACTIVITIES | 10 | 5 | 2 | 0 | * |

* Indicates less than 1 percent

TABLE 3 (CONTINUED)

RELATIVE PERCENT TIME SPENT ON DUTIES BY SPECIALTY JOBS

| DUTIES | EXPEDITER JOB (ST086) (N=9) | QUALITY ASSURANCE JOB (ST090) (N=26) | SUPERVISOR JOB (ST085) (N=78) | SAFETY/ SECURITY JOB (ST077) (N=7) | TODA JOB (ST103) (N=8) |
|---|--------------------------------------|--|--|--|---------------------------------|
| A PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES | 42 | 40 | 56 | 70 | 18 |
| B PERFORMING TRAINING ACTIVITIES | 2 | 4 | 12 | 5 | 0 |
| C PERFORMING MAINTENANCE MANAGEMENT ACTIVITIES | 30 | 21 | 13 | 6 | 1 |
| D PERFORMING GENERAL ADMINISTRATIVE AND TECHNICAL DATA ACTIVITIES | 7 | 10 | 10 | 12 | 73 |
| E PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES | 9 | 6 | 5 | 7 | 8 |
| F PERFORMING GENERAL AVIONIC MAINTENANCE ACTIVITIES | 2 | 5 | 1 | 0 | 0 |
| G MAINTAINING FIRE CONTROL RADAR SYSTEMS | 0 | * | * | 0 | 0 |
| H MAINTAINING INERTIAL NAVIGATIONAL SYSTEMS (INS) | * | * | * | 0 | 0 |
| I MAINTAINING FIRE CONTROL COMPUTER OR COMPUTER COMPLEX SYSTEMS | * | 1 | * | 0 | 0 |
| J MAINTAINING HEAD UP DISPLAY (HUD) AND COCKPIT TELEVISION VIDEO SENSOR (CTVS) SYSTEMS | * | * | * | 0 | 0 |
| K MAINTAINING HEAD DOWN DISPLAY SYSTEMS | 0 | * | * | 0 | 0 |
| L MAINTAINING FLIGHT CONTROL SYSTEMS | * | * | * | 0 | 0 |
| M MAINTAINING GENERAL AIR DATA COMPUTER SYSTEMS | 0 | * | * | 0 | 0 |
| N MAINTAINING ENGINE AND FUEL INSTRUMENT SYSTEMS | 0 | 0 | * | 0 | 0 |
| O MAINTAINING FLIGHT INSTRUMENT SYSTEMS | 0 | * | * | 0 | 0 |
| P MAINTAINING COMMUNICATION SYSTEMS | 0 | * | * | 0 | 0 |
| Q MAINTAINING NAVIGATIONAL SYSTEMS | 0 | * | * | 0 | 0 |
| R MAINTAINING PENETRATION AIDS AND ELECTRONIC COUNTERMEASURE SYSTEMS | 0 | * | * | 0 | 0 |
| S MAINTAINING LOW-ALTITUDE NAVIGATION AND TARGETING INFRARED FOR NIGHT (LANTRN) TARGETING PODS | 0 | * | * | 0 | 0 |
| T MAINTAINING LANTRN NAVIGATIONAL PODS | 0 | * | * | 0 | 0 |
| U PERFORMING BLOCK-50 ACTIVITIES | 0 | 0 | * | 0 | 0 |
| V PERFORMING GENERAL AIRCRAFT OR CROSS UTILIZATION TRAINING (CUT) ACTIVITIES | 6 | 13 | 1 | 0 | 0 |

* Indicates less than 1 percent

TABLE 4

SELECTED BACKGROUND DATA FOR SPECIALTY JOBS

| | ACFT GENERATION JOB (ST066) | "A" SHOP JOB (ST122) | "B" SHOP JOB (ST170) | "C" SHOP JOB (ST099) | F-16 INT AVIONICS JOB (ST237) |
|-------------------|--------------------------------------|-------------------------------|-------------------------------|-------------------------------|--|
| NUMBER IN GROUP | 17 | 121 | 32 | 71 | 742 |
| PERCENT OF SAMPLE | 1% | 9% | 2% | 5% | 54% |
| PERCENT IN CONUS | 82% | 85% | 88% | 93% | 81% |

| | | | | | |
|---------------------|-----|-----|-----|-----|-----|
| DAFSC DISTRIBUTION: | | | | | |
| 2A332A | 35% | 49% | 0% | 0% | 2% |
| 2A332B | 12% | 0% | 44% | 0% | 2% |
| 2A332C | 0% | 4% | 0% | 49% | 4% |
| 2A352A | 12% | 37% | 0% | 3% | 18% |
| 2A352B | 29% | 2% | 41% | 0% | 16% |
| 2A352C | 6% | 2% | 0% | 41% | 20% |
| 2A372 | 6% | 6% | 15% | 7% | 38% |

| | | | | | |
|--------------------|-----|-----|-----|-----|-----|
| COMPONENT STATUS: | | | | | |
| ACTIVE DUTY | 41% | 79% | 63% | 56% | 54% |
| AIR NATIONAL GUARD | 41% | 19% | 37% | 38% | 41% |
| AIR FORCE RESERVE | 18% | 2% | 0% | 6% | 5% |

| | | | | | |
|----------------------|-----------|-----------|-----------|-----------|--|
| PREDOMINANT GRADE(S) | | | | | |
| E-5 | E-3 - E-4 | E-4 - E-5 | E-3 - E-5 | E-4 - E-6 | |
| 24 | 31 | 40 | 25 | 82 | |
| 27 | 36 | 48 | 35 | 95 | |
| 100% | 85% | 75% | 81% | 32% | |
| 0% | 6% | 12% | 7% | 37% | |
| 80 | 129 | 140 | 97 | 266 | |

* Active Duty only

TABLE 4 (CONTINUED)

SELECTED BACKGROUND DATA FOR SPECIALTY JOBS

| | F-117A INT AVIONICS JOB (ST261) | MAINT TNG SUPERVISOR JOB (ST116) | INSTRUCTOR JOB (ST038) | DEBRIEFING JOB (ST078) | EQUIP SUPPORT JOB (ST062) |
|---|--|---|------------------------------|------------------------------|------------------------------------|
| NUMBER IN GROUP | 56 | 10 | 18 | 23 | 22 |
| PERCENT OF SAMPLE | 4% | 1% | 1% | 2% | 2% |
| PERCENT IN CONUS | 98% | 80% | 100% | 74% | 59% |
| DAFSC DISTRIBUTION: | | | | | |
| 2A332A | 16% | 0% | 0% | 4% | 0% |
| 2A332B | 5% | 0% | 0% | 0% | 5% |
| 2A332C | 9% | 0% | 0% | 0% | 0% |
| 2A352A | 18% | 0% | 16% | 0% | 9% |
| 2A352B | 14% | 10% | 6% | 26% | 14% |
| 2A352C | 8% | 0% | 39% | 26% | 27% |
| 2A372 | 30% | 90% | 39% | 44% | 45% |
| COMPONENT STATUS: | | | | | |
| ACTIVE DUTY | 100% | 70% | 100% | 61% | 95% |
| AIR NATIONAL GUARD | 0% | 30% | 0% | 39% | 5% |
| AIR FORCE RESERVE | 0% | 0% | 0% | 0% | 0% |
| PREDOMINANT GRADE(S) | | | | | |
| AVERAGE MONTHS IN CAREER FIELD* | E-4 - E-5 | E-6 - E-7 | E-5 - E-6 | E-4 - E-6 | E-4 - E-5 |
| AVERAGE MONTHS IN SERVICE* | 80 | 139 | 124 | 85 | 108 |
| PERCENT IN FIRST ENLISTMENT (1-48 MOS TAFMS)* | 92 | 188 | 149 | 95 | 130 |
| PERCENT SUPERVISING | 48% | 0% | 0% | 36% | 19% |
| AVERAGE NUMBER OF TASKS PERFORMED | 39% | 100% | 0% | 30% | 45% |
| | 187 | 207 | 47 | 15 | 40 |

* Active Duty only

TABLE 4 (CONTINUED)

SELECTED BACKGROUND DATA FOR SPECIALTY JOBS

| | EXPEDITER JOB (ST086) | QUALITY ASSURANCE JOB (ST090) | SUPERVISOR JOB (ST085) | SAFETY/ SECURITY JOB (ST077) | TODA JOB (ST103) |
|---|-----------------------------|--|------------------------------|---------------------------------------|------------------------|
| NUMBER IN GROUP | 9 | 26 | 78 | 7 | 8 |
| PERCENT OF SAMPLE | 1% | 2% | 6% | 1% | 1% |
| PERCENT IN CONUS | 89% | 77% | 72% | 57% | 50% |
| DAFSC DISTRIBUTION: | | | | | |
| 2A332A | 0% | 0% | 0% | 0% | 0% |
| 2A332B | 0% | 0% | 0% | 0% | 13% |
| 2A332C | 0% | 0% | 0% | 0% | 0% |
| 2A352A | 0% | 4% | 0% | 0% | 12% |
| 2A352B | 0% | 0% | 0% | 14% | 25% |
| 2A352C | 0% | 0% | 0% | 0% | 25% |
| 2A372 | 100% | 96% | 100% | 86% | 25% |
| COMPONENT STATUS: | | | | | |
| ACTIVE DUTY | 44% | 54% | 81% | 100% | 100% |
| AIR NATIONAL GUARD | 56% | 46% | 19% | 0% | 0% |
| AIR FORCE RESERVE | 0% | 0% | 0% | 0% | 0% |
| PREDOMINANT GRADE(S) | | | | | |
| AVERAGE MONTHS IN CAREER FIELD* | E-7 | E-7 | E-7 | E-7 | E-4 |
| AVERAGE MONTHS IN SERVICE* | 127 | 123 | 155 | 190 | 91 |
| PERCENT IN FIRST ENLISTMENT (1-48 MOS TAFMS)* | 200 | 163 | 201 | 212 | 114 |
| PERCENT SUPERVISING | 0% | 0% | 0% | 0% | 25% |
| AVERAGE NUMBER OF TASKS PERFORMED | 56% | 31% | 100% | 0% | 12% |
| | 34 | 60 | 78 | 35 | 10 |

* Active Duty only

TABLE 5

SPECIALTY JOB COMPARISON BETWEEN CURRENT AND 1991 SURVEYS

| CURRENT SURVEY (N=1,366) | 1991 SURVEY (N=1,042) |
|--|------------------------------------|
| AIRCRAFT GENERATION JOB | <i>NO SIMILAR GROUP IDENTIFIED</i> |
| "A" SHOP JOB | A-SHOP CLUSTER |
| "B" SHOP JOB | B-SHOP CLUSTER |
| "C" SHOP JOB | C-SHOP CLUSTER |
| F-16 INTEGRATED AVIONICS JOB | <i>NO SIMILAR GROUP IDENTIFIED</i> |
| F-117A INTEGRATED AVIONICS JOB | <i>NO SIMILAR GROUP IDENTIFIED</i> |
| MAINTENANCE TRAINING SUPERVISOR JOB | <i>NO SIMILAR GROUP IDENTIFIED</i> |
| INSTRUCTOR JOB | TTC INSTRUCTOR JOB CLUSTER |
| DEBRIEFING JOB | DCM COMPLEX CLUSTER |
| EQUIPMENT SUPPORT JOB | <i>NO SIMILAR GROUP IDENTIFIED</i> |
| EXPEDITER JOB | <i>NO SIMILAR GROUP IDENTIFIED</i> |
| QUALITY ASSURANCE JOB | DCM COMPLEX CLUSTER |
| SUPERVISOR JOB | MULTISHOP SUPERVISORY CLUSTER |
| SAFETY/SECURITY JOB | <i>NO SIMILAR GROUP IDENTIFIED</i> |
| TECHNICAL ORDER DISTRIBUTION ACCOUNT JOB | <i>NO SIMILAR GROUP IDENTIFIED</i> |
| <i>NO SIMILAR GROUP IDENTIFIED</i> | DEPOT JOB |

ANALYSIS OF DAFSC GROUPS

An analysis of DAFSC groups, in conjunction with the analysis of the career ladder structure, is an important part of each occupational survey. The DAFSC analysis identifies differences in tasks performed at the various skill levels. This information may then be used to evaluate how well career ladder documents, such as the AFMAN 36-2108 *Specialty Description* and the Career Field Education and Training Plan, reflect what career ladder personnel are actually doing in the field.

The distribution of skill-level groups across the career ladder jobs is displayed in Tables 6-12, while Tables 13-19 offers another perspective by displaying the relative percent time spent on each duty across the skill-level groups. A typical pattern of progression is noted within the AFSC 2A3X2 career ladder. Personnel at the 3- and 5-skill levels work in the technical jobs of the career ladder and spend most of their time on technical tasks. As incumbents move up to the 7-skill level, higher percentages work in the supervisory jobs, but many personnel still spend some time performing technical tasks.

Skill-Level Descriptions

DAFSC 2A332A. Representing 7 percent of the survey sample, these 92 airmen perform an average of 144 tasks. Sixty-three percent of this group work in the "A" Shop Job (Table 6). Additionally, 17 percent of these members are working in the F-16 Integrated Avionics Job and 10 percent in the F-117 Integrated Avionics Job. Table 6 also depicts the differences in distribution between the active and air reserve forces. Since the air reserve forces have few 3-skill level personnel, this data has little meaning at this level.

Representative tasks performed by DAFSC 2A332A incumbents are listed in Tables 20-23. Most tasks are general avionics tasks of Duty F, with smaller percentages of tasks distributed between Duties G, H, I, J, and K which relate to "A" shred activities (Table 13).

DAFSC 2A332B. Representing 3 percent of the survey sample, these airmen perform an average of 164 tasks (slightly higher than the "A" shred). Thirty-eight percent perform F-16 Integrated Avionics tasks (Table 7). Of the 37 incumbents in this shred, only 5 are ANG and none are AFRES members. As with the "A" shred, "B" shred ANG distribution across jobs has little meaning due to the small number of 3-skill levels in the ANG.

Tables 24-26 list representative tasks performed by DAFSC 2A332B personnel. Table 14 reflects the relative time spent on duties in the "B" shred. As expected, most tasks are general avionics tasks of Duty F, with smaller percentages across the "B" shred duties of L, M, N, and O. Still smaller percentages are reflected in the other duties showing the beginning of cross-utilization between shreds.

DAFSC 2A332C. These 82 members represent 6 percent of the survey sample performing an average of 130 tasks. Forty-three percent of these airmen work in the "C" Shop Job and 39 percent work in the F-16 Integrated Avionics Job (Table 8).

Twenty-five percent of their time is spent performing general avionics activities of Duty F, with 36 percent of their time performing the "C" shred tasks of Duties P, Q, and R (Table 15). Tables 27-30 list representative tasks performed by these DAFSC 2A332C members.

DAFSC 2A352A. Comprising 16 percent of the survey sample, these 219 airmen perform an average of 200 tasks. Fifty-nine percent of these "A" shred 5-skill levels work in the F-16 Integrated Avionics Job with 21 percent performing in the "A" Shop Job (Table 9). This table reflects the differences also in the job distribution between the active and reserve forces. While identical percentages exist between AD and ANG for the "A" Shop Job, the active forces are more diversified through other jobs the reserve forces do not have, such as F-117 Avionics and Instructor jobs. Table 16 reflects the percent time spent on duties for DAFSC 2A352A. With 25 percent of this group's time spent on general avionics duties, the remainder of their time is fairly evenly distributed across the other duties.

Tables 31-34 list representative tasks performed by these DAFSC 2A352A personnel. Table 35 reflects these tasks which best differentiate 5-skill level "A" shred personnel from their 3-skill level counterparts.

DAFSC 2A352B. The 170 members of this group represent 13 percent of the survey sample. They perform an average of 220 tasks. Seventy-one percent of these members work in the F-16 Integrated Avionics Job, while only 7 percent are performing the "B" Shop Job (Table 10). This table reflects the few distribution differences between the active and reserve forces.

Table 17 again shows fairly even distribution of the time spent across duties for DAFSC 2A352B personnel. Tables 36-39 list representative tasks performed by these members. Table 40 shows the tasks which best differentiate 5-skill level "B" shred from the 3-skill level counterparts.

DAFSC 2A352C. Representing 17 percent of the survey sample, these 230 members perform an average of 187 tasks. As seen in Table 11, 66 percent of this group is working in the F-16 Integrated Avionics Job. This table also reflects the fairly even distribution between active and reserve forces.

Table 18 shows the time spent on duties reflecting somewhat higher percentages in the expected "C" shred duties of P, Q, and R. Tables 41-44 list the representative tasks performed by these members, while Table 45 reflects the tasks which best differentiate between the 5- and 3-skill level "C" shred personnel.

DAFSC 2A372. The 535 members of this group represent 39 percent of the survey sample and perform an average of 188 tasks. Table 12 shows 53 percent of this group working in the F-16 Integrated Avionics Job and 14 percent in the Supervisor Job. What is interesting in this table is the differences in the job distribution between the active and reserve forces. The ANG and AFRES show a much higher percentage of 7-skill levels performing in the F-16 Integrated Avionics Job than their active duty counterparts.

Table 19 reflects the percent time spent across duties. The substantial difference depicted in this table is the 32 percent time spent in the management and supervisory duty for AD personnel, as compared to 12 percent for the ANG and 6 percent for the AFRES. Tables 46-49 list representative tasks performed by 7-skill level personnel. Tables 50-52 reflect the tasks which best differentiate 7-skill level personnel from their 5-skill level "A", "B", and "C" shred counterparts.

Summary

Progression in this career ladder follows a regular pattern of highly technical job focus at the lower skill levels, with a broadening into supervision and management at the 7-skill level. An emphasis is clearly seen in performing primarily the core job of the personnel functions at the 3- and 5-skill levels, with some broadening into supervisory functions at the 5-skill level. Craftsmen at the 7-skill level are beginning to shift to supervisory jobs, but a good deal of their job time is still spent in the technical arena. ANG and AFRES 7-skill level personnel spend a much higher percentage of their time performing technical tasks versus supervisory tasks than their AD counterparts.

TABLE 6

DISTRIBUTION OF DAFSC GROUP MEMBERS ACROSS SPECIALTY JOBS
(PERCENT RESPONDING)

| SPECIALTY JOBS | TOTAL 2A332A (N=92) | ACTIVE 2A332A (N=83) | ANG 2A332A (N=5) | AFRES 2A332A (N=4) |
|--|---------------------------|----------------------------|------------------------|--------------------------|
| | | | | |
| I. AIRCRAFT GENERATION JOB | 7 | 4 | 20 | 25 |
| II. "A" SHOP JOB | 63 | 68 | 40 | 25 |
| III. "B" SHOP JOB | * | * | * | * |
| IV. "C" SHOP JOB | * | * | * | * |
| V. F-16 INTEGRATED AVIONICS JOB | 17 | 16 | 40 | 25 |
| VI. F-117A INTEGRATED AVIONICS JOB | 10 | 11 | * | * |
| VII. MAINTENANCE TRAINING SUPERVISOR JOB | * | * | * | * |
| VIII. INSTRUCTOR JOB | * | * | * | * |
| IX. DEBRIEFING JOB | 1 | 1 | * | * |
| X. EQUIPMENT SUPPORT JOB | * | * | * | * |
| XI. EXPEDITER JOB | * | * | * | * |
| XII. QUALITY ASSURANCE JOB | * | * | * | * |
| XIII. SUPERVISOR JOB | * | * | * | * |
| XIV. SAFETY/SECURITY JOB | * | * | * | * |
| XV. TECHNICAL ORDER DISTRIBUTION ACCOUNT JOB | * | * | * | * |
| NOT GROUPED | 2 | * | * | 25 |

TABLE 7

DISTRIBUTION OF DAFSC GROUP MEMBERS ACROSS SPECIALTY JOBS
(PERCENT RESPONDING)

| SPECIALTY JOBS | TOTAL 2A332B (N=37) | ACTIVE 2A332B (N=32) | ANG 2A332B (N=5) | AFRES 2A332B (N=0) |
|--|---------------------------|----------------------------|------------------------|--------------------------|
| | | | | |
| I. AIRCRAFT GENERATION JOB | 5 | 6 | * | |
| II. "A" SHOP JOB | * | * | * | |
| III. "B" SHOP JOB | 38 | 38 | 40 | |
| IV. "C" SHOP JOB | * | * | * | |
| V. F-16 INTEGRATED AVIONICS JOB | 35 | 38 | 20 | |
| VI. F-117A INTEGRATED AVIONICS JOB | 8 | 9 | * | |
| VII. MAINTENANCE TRAINING SUPERVISOR JOB | * | * | * | |
| VIII. INSTRUCTOR JOB | * | * | * | |
| IX. DEBRIEFING JOB | * | * | * | |
| X. EQUIPMENT SUPPORT JOB | 3 | 3 | * | |
| XI. EXPEDITER JOB | * | * | * | |
| XII. QUALITY ASSURANCE JOB | * | * | * | |
| XIII. SUPERVISOR JOB | * | * | * | |
| XIV. SAFETY/SECURITY JOB | * | * | * | |
| XV. TECHNICAL ORDER DISTRIBUTION ACCOUNT JOB | 3 | 3 | * | |
| NOT GROUPED | 8 | 3 | 40 | |

* Indicates less than 1 percent

TABLE 8

DISTRIBUTION OF DAFSC GROUP MEMBERS ACROSS SPECIALTY JOBS
(PERCENT RESPONDING)

| SPECIALTY JOBS | TOTAL 2A332C (N=82) | ACTIVE 2A332C (N=73) | ANG 2A332C (N=5) | AFRES 2A332C (N=4) |
|--|---------------------------|----------------------------|------------------------|--------------------------|
| | | | | |
| I. AIRCRAFT GENERATION JOB | * | * | * | * |
| II. "A" SHOP JOB | 6 | 7 | * | * |
| III. "B" SHOP JOB | * | * | * | * |
| IV. "C" SHOP JOB | 43 | 43 | 60 | 25 |
| V. F-16 INTEGRATED AVIONICS JOB | 39 | 37 | 40 | 75 |
| VI. F-117A INTEGRATED AVIONICS JOB | 6 | 7 | * | * |
| VII. MAINTENANCE TRAINING SUPERVISOR JOB | * | * | * | * |
| VIII. INSTRUCTOR JOB | * | * | * | * |
| IX. DEBRIEFING JOB | * | * | * | * |
| X. EQUIPMENT SUPPORT JOB | * | * | * | * |
| XI. EXPEDITER JOB | * | * | * | * |
| XII. QUALITY ASSURANCE JOB | * | * | * | * |
| XIII. SUPERVISOR JOB | * | * | * | * |
| XIV. SAFETY/SECURITY JOB | * | * | * | * |
| XV. TECHNICAL ORDER DISTRIBUTION ACCOUNT JOB | * | * | * | * |
| NOT GROUPED | 6 | 6 | * | * |

* Indicates less than 1 percent

TABLE 9

DISTRIBUTION OF DAFSC GROUP MEMBERS ACROSS SPECIALTY JOBS
(PERCENT RESPONDING)

| SPECIALTY JOBS | TOTAL 2A352A (N=219) | ACTIVE 2A352A (N=140) | ANG 2A352A (N=72) | AFRES 2A352A (N=7) |
|--|----------------------------|-----------------------------|-------------------------|--------------------------|
| | | | | |
| I. AIRCRAFT GENERATION JOB | 1 | * | 3 | * |
| II. "A" SHOP JOB | 21 | 21 | 21 | * |
| III. "B" SHOP JOB | * | * | * | * |
| IV. "C" SHOP JOB | 1 | * | 1 | 14 |
| V. F-16 INTEGRATED AVIONICS JOB | 59 | 53 | 69 | 86 |
| VI. F-117A INTEGRATED AVIONICS JOB | 5 | 7 | * | * |
| VII. MAINTENANCE TRAINING SUPERVISOR JOB | * | * | * | * |
| VIII. INSTRUCTOR JOB | 1 | 2 | * | * |
| IX. DEBRIEFING JOB | * | * | * | * |
| X. EQUIPMENT SUPPORT JOB | 1 | 1 | * | * |
| XI. EXPEDITER JOB | * | * | * | * |
| XII. QUALITY ASSURANCE JOB | 1 | 1 | * | * |
| XIII. SUPERVISOR JOB | 1 | 1 | * | * |
| XIV. SAFETY/SECURITY JOB | * | * | * | * |
| XV. TECHNICAL ORDER DISTRIBUTION ACCOUNT JOB | 1 | 1 | * | * |
| NOT GROUPED | 8 | 13 | 6 | * |

* Indicates less than 1 percent

TABLE 10

DISTRIBUTION OF DAFSC GROUP MEMBERS ACROSS SPECIALTY JOBS
(PERCENT RESPONDING)

| SPECIALTY JOBS | TOTAL | | | | ANG | | | | AFRES | | | |
|--|-------------------|--|----|--|------------------|--|---|--|-----------------|--|--|--|
| | 2A352B (N=170) | | | | 2A352B (N=49) | | | | 2A352B (N=9) | | | |
| I. AIRCRAFT GENERATION JOB | 3 | | 2 | | 2 | | 2 | | 22 | | | |
| II. "A" SHOP JOB | 1 | | 2 | | * | | * | | * | | | |
| III. "B" SHOP JOB | 7 | | 6 | | 12 | | * | | * | | | |
| IV. "C" SHOP JOB | * | | * | | * | | * | | * | | | |
| V. F-16 INTEGRATED AVIONICS JOB | 71 | | 67 | | 78 | | * | | 78 | | | |
| VI. F-117A INTEGRATED AVIONICS JOB | 5 | | 7 | | * | | * | | * | | | |
| VII. MAINTENANCE TRAINING SUPERVISOR JOB | 1 | | 1 | | * | | * | | * | | | |
| VIII. INSTRUCTOR JOB | 1 | | 1 | | * | | * | | * | | | |
| IX. DEBRIEFING JOB | 4 | | 5 | | 2 | | * | | * | | | |
| X. EQUIPMENT SUPPORT JOB | 2 | | 3 | | * | | * | | * | | | |
| XI. EXPEDITER JOB | * | | * | | * | | * | | * | | | |
| XII. QUALITY ASSURANCE JOB | * | | * | | * | | * | | * | | | |
| XIII. SUPERVISOR JOB | * | | * | | * | | * | | * | | | |
| XIV. SAFETY/SECURITY JOB | 1 | | 1 | | * | | * | | * | | | |
| XV. TECHNICAL ORDER DISTRIBUTION ACCOUNT JOB | 1 | | 2 | | * | | * | | * | | | |
| NOT GROUPED | 3 | | 3 | | 6 | | * | | * | | | |

* Indicates less than 1 percent

TABLE 11

DISTRIBUTION OF DAFSC GROUP MEMBERS ACROSS SPECIALTY JOBS
(PERCENT RESPONDING)

| SPECIALTY JOBS | TOTAL 2A352C (N=230) | ACTIVE 2A352C (N=138) | ANG 2A352C (N=81) | AFRES 2A352C (N=11) |
|--|----------------------------|-----------------------------|-------------------------|---------------------------|
| | | | | |
| I. AIRCRAFT GENERATION JOB | * | * | 1 | * |
| II. "A" SHOP JOB | 1 | 1 | 1 | * |
| III. "B" SHOP JOB | 8 | * | * | * |
| IV. "C" SHOP JOB | 13 | 5 | 25 | 18 |
| V. F-16 INTEGRATED AVIONICS JOB | 66 | 66 | 68 | 55 |
| VI. F-117A INTEGRATED AVIONICS JOB | 2 | 3 | * | * |
| VII. MAINTENANCE TRAINING SUPERVISOR JOB | * | * | * | * |
| VIII. INSTRUCTOR JOB | 3 | 5 | * | * |
| IX. DEBRIEFING JOB | 3 | 4 | * | * |
| X. EQUIPMENT SUPPORT JOB | 3 | 4 | * | * |
| XI. EXPEDITER JOB | * | * | * | * |
| XII. QUALITY ASSURANCE JOB | * | * | * | * |
| XIII. SUPERVISOR JOB | * | * | * | * |
| XIV. SAFETY/SECURITY JOB | * | * | * | * |
| XV. TECHNICAL ORDER DISTRIBUTION ACCOUNT JOB | 1 | 1 | * | * |
| NOT GROUPED | 0 | 7 | 5 | 27 |

* Indicates less than 1 percent

TABLE 12

DISTRIBUTION OF DAFSC GROUP MEMBERS ACROSS SPECIALTY JOBS
(PERCENT RESPONDING)

| SPECIALTY JOBS | TOTAL 2A372 (N=535) | ACTIVE 2A372 (N=294) | ANG 2A372 (N=226) | AFRES 2A372 (N=15) |
|--|---------------------------|----------------------------|-------------------------|--------------------------|
| | | | | |
| I. AIRCRAFT GENERATION JOB | * | * | * | * |
| II. "A" SHOP JOB | 1 | * | 3 | 7 |
| III. "B" SHOP JOB | 1 | * | 2 | * |
| IV. "C" SHOP JOB | 1 | 1 | 1 | * |
| V. F-16 INTEGRATED AVIONICS JOB | 53 | 36 | 71 | 87 |
| VI. F-117A INTEGRATED AVIONICS JOB | 3 | 6 | * | * |
| VII. MAINTENANCE TRAINING SUPERVISOR JOB | 2 | 2 | 1 | * |
| VIII. INSTRUCTOR JOB | 1 | 2 | * | * |
| IX. DEBRIEFING JOB | 2 | 1 | 4 | * |
| X. EQUIPMENT SUPPORT JOB | 2 | 3 | * | * |
| XI. EXPEDITER JOB | 2 | 1 | 2 | * |
| XII. QUALITY ASSURANCE JOB | 5 | 4 | 5 | * |
| XIII. SUPERVISOR JOB | 14 | 21 | 7 | * |
| XIV. SAFETY/SECURITY JOB | 1 | 2 | * | * |
| XV. TECHNICAL ORDER DISTRIBUTION ACCOUNT JOB | * | 1 | * | * |
| NOT GROUPED | 12 | 20 | 4 | 6 |

* Indicates less than 1 percent

TABLE 13

RELATIVE PERCENT TIME SPENT ON DUTIES BY DAFSC GROUPS

| DUTIES | ALL 2A332A (N=93) | ACTIVE 2A332A (N=83) | ANG 2A332A (N=5) | AFRES 2A332A (N=4) |
|--|-------------------------|----------------------------|------------------------|--------------------------|
| | | | | |
| A PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES | 1 | 1 | * | * |
| B PERFORMING TRAINING ACTIVITIES | * | * | * | 1 |
| C PERFORMING MAINTENANCE MANAGEMENT ACTIVITIES | 5 | 5 | 5 | 2 |
| D PERFORMING GENERAL ADMINISTRATIVE AND TECHNICAL DATA ACTIVITIES | 1 | 1 | * | 1 |
| E PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES | 2 | 2 | 1 | 1 |
| F PERFORMING GENERAL AVIONIC MAINTENANCE ACTIVITIES | 30 | 29 | 30 | 36 |
| G MAINTAINING FIRE CONTROL RADAR SYSTEMS | 5 | 5 | 8 | 6 |
| H MAINTAINING INERTIAL NAVIGATIONAL SYSTEMS (INS) | 6 | 5 | 11 | 6 |
| I MAINTAINING FIRE CONTROL COMPUTER OR COMPUTER COMPLEX SYSTEMS | 5 | 5 | 5 | 5 |
| J MAINTAINING HEAD UP DISPLAY (HUD) AND COCKPIT TELEVISION VIDEO SENSOR (CTVS) SYSTEMS | 8 | 8 | 11 | 9 |
| K MAINTAINING HEAD DOWN DISPLAY SYSTEMS | 4 | 4 | 2 | 2 |
| L MAINTAINING FLIGHT CONTROL SYSTEMS | 2 | 2 | 2 | 1 |
| M MAINTAINING GENERAL AIR DATA COMPUTER SYSTEMS | 2 | 1 | 4 | 4 |
| N MAINTAINING ENGINE AND FUEL INSTRUMENT SYSTEMS | 1 | 1 | 2 | 2 |
| O MAINTAINING FLIGHT INSTRUMENT SYSTEMS | 1 | 1 | 1 | 0 |
| P MAINTAINING COMMUNICATION SYSTEMS | 4 | 4 | 5 | 2 |
| Q MAINTAINING NAVIGATIONAL SYSTEMS | 4 | 4 | 2 | 6 |
| R MAINTAINING PENETRATION AIDS AND ELECTRONIC COUNTERMEASURE SYSTEMS | 2 | 2 | 2 | 4 |
| S MAINTAINING LOW-ALTITUDE NAVIGATION AND TARGETING INFRARED FOR NIGHT (LANTRN) TARGETING PODS | 3 | 4 | 0 | 0 |
| T MAINTAINING LANTRN NAVIGATIONAL PODS | 4 | 5 | * | 0 |
| U PERFORMING BLOCK-50 ACTIVITIES | * | 1 | 0 | 0 |
| V PERFORMING GENERAL AIRCRAFT OR CROSS UTILIZATION TRAINING (CUT) ACTIVITIES | 9 | 9 | 5 | 11 |

TABLE 14

RELATIVE PERCENT TIME SPENT ON DUTIES BY DAFSC GROUPS

| DUTIES | ALL 2A332B (N=37) | ACTIVE 2A332B (N=32) | ANG 2A332B (N=5) | AFRES 2A332B (N=0) |
|--|-------------------------|----------------------------|------------------------|--------------------------|
| A PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES | 1 | 1 | * | |
| B PERFORMING TRAINING ACTIVITIES | * | * | 0 | |
| C PERFORMING MAINTENANCE MANAGEMENT ACTIVITIES | 3 | 3 | 2 | |
| D PERFORMING GENERAL ADMINISTRATIVE AND TECHNICAL DATA ACTIVITIES | 5 | 5 | * | |
| E PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES | 2 | 2 | 1 | |
| F PERFORMING GENERAL AVIONIC MAINTENANCE ACTIVITIES | 26 | 26 | 25 | |
| G MAINTAINING FIRE CONTROL RADAR SYSTEMS | 2 | 2 | 3 | |
| H MAINTAINING INERTIAL NAVIGATIONAL SYSTEMS (INS) | 2 | 2 | 3 | |
| I MAINTAINING FIRE CONTROL COMPUTER OR COMPUTER COMPLEX SYSTEMS | 2 | 2 | 3 | |
| J MAINTAINING HEAD UP DISPLAY (HUD) AND COCKPIT TELEVISION VIDEO SENSOR (CTVS) SYSTEMS | 3 | 3 | 4 | |
| K MAINTAINING HEAD DOWN DISPLAY SYSTEMS | 2 | 2 | 3 | |
| L MAINTAINING FLIGHT CONTROL SYSTEMS | 9 | 9 | 8 | |
| M MAINTAINING GENERAL AIR DATA COMPUTER SYSTEMS | 6 | 6 | 3 | |
| N MAINTAINING ENGINE AND FUEL INSTRUMENT SYSTEMS | 6 | 6 | 7 | |
| O MAINTAINING FLIGHT INSTRUMENT SYSTEMS | 8 | 8 | 8 | |
| P MAINTAINING COMMUNICATION SYSTEMS | 4 | 3 | 8 | |
| Q MAINTAINING NAVIGATIONAL SYSTEMS | 4 | 3 | 7 | |
| R MAINTAINING PENETRATION AIDS AND ELECTRONIC COUNTERMEASURE SYSTEMS | 2 | 2 | 4 | |
| S MAINTAINING LOW-ALTITUDE NAVIGATION AND TARGETING INFRARED FOR NIGHT (LANTIRN) TARGETING PODS | 1 | 1 | 0 | |
| T MAINTAINING LANTIRN NAVIGATIONAL PODS | 1 | 2 | * | |
| U PERFORMING BLOCK-50 ACTIVITIES | 1 | 1 | 0 | |
| V PERFORMING GENERAL AIRCRAFT OR CROSS UTILIZATION TRAINING (CUT) ACTIVITIES | 9 | 10 | 7 | |

TABLE 15

RELATIVE PERCENT TIME SPENT ON DUTIES BY DAFSC GROUPS

| DUTIES | ALL 2A332C (N=82) | ACTIVE 2A332C (N=73) | ANG 2A332C (N=5) | AFRES 2A332C (N=4) |
|---|-------------------------|----------------------------|------------------------|--------------------------|
| | | | | |
| A PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES | 1 | 1 | 1 | 2 |
| B PERFORMING TRAINING ACTIVITIES | * | * | * | 1 |
| C PERFORMING MAINTENANCE MANAGEMENT ACTIVITIES | 4 | 4 | 4 | 3 |
| D PERFORMING GENERAL ADMINISTRATIVE AND TECHNICAL DATA ACTIVITIES | 3 | 3 | * | 1 |
| E PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES | 2 | 2 | 3 | 2 |
| F PERFORMING GENERAL AVIONIC MAINTENANCE ACTIVITIES | 25 | 25 | 30 | 25 |
| G MAINTAINING FIRE CONTROL RADAR SYSTEMS | 1 | 1 | 3 | 2 |
| H MAINTAINING INERTIAL NAVIGATIONAL SYSTEMS (INS) | 2 | 2 | 2 | 3 |
| I MAINTAINING FIRE CONTROL COMPUTER OR COMPUTER COMPLEX SYSTEMS | 2 | 2 | 2 | 3 |
| J MAINTAINING HEAD UP DISPLAY (HUD) AND COCKPIT TELEVISION VIDEO SENSOR (CTVS) SYSTEMS | 3 | 3 | 4 | 6 |
| K MAINTAINING HEAD DOWN DISPLAY SYSTEMS | 2 | 2 | 1 | 4 |
| L MAINTAINING FLIGHT CONTROL SYSTEMS | 1 | 1 | 2 | 2 |
| M MAINTAINING GENERAL AIR DATA COMPUTER SYSTEMS | 1 | 1 | 2 | 3 |
| N MAINTAINING ENGINE AND FUEL INSTRUMENT SYSTEMS | 1 | * | 1 | 1 |
| O MAINTAINING FLIGHT INSTRUMENT SYSTEMS | 1 | 1 | 3 | 2 |
| P MAINTAINING COMMUNICATION SYSTEMS | 16 | 16 | 16 | 15 |
| Q MAINTAINING NAVIGATIONAL SYSTEMS | 11 | 11 | 12 | 13 |
| R MAINTAINING PENETRATION AIDS AND ELECTRONIC COUNTERMEASURE SYSTEMS | 9 | 9 | 8 | 8 |
| S MAINTAINING LOW-ALTITUDE NAVIGATION AND TARGETING INFRARED FOR NIGHT (LANTIRN) TARGETING PODS | 2 | 2 | 0 | 0 |
| T MAINTAINING LANTIRN NAVIGATIONAL PODS | 2 | 2 | 0 | 0 |
| U PERFORMING BLOCK-50 ACTIVITIES | 1 | 1 | 0 | 0 |
| V PERFORMING GENERAL AIRCRAFT OR CROSS UTILIZATION TRAINING (CUT) ACTIVITIES | 9 | 10 | 5 | 3 |

TABLE 16

RELATIVE PERCENT TIME SPENT ON DUTIES BY DAFSC GROUPS

| DUTIES | ALL 2A352A (N=219) | ACTIVE 2A352A (N=140) | ANG 2A352A (N=72) | AFRES 2A352A (N=7) |
|---|--------------------------|-----------------------------|-------------------------|--------------------------|
| | | | | |
| A PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES | 5 | 7 | 1 | 1 |
| B PERFORMING TRAINING ACTIVITIES | 3 | 5 | * | 1 |
| C PERFORMING MAINTENANCE MANAGEMENT ACTIVITIES | 5 | 6 | 4 | 5 |
| D PERFORMING GENERAL ADMINISTRATIVE AND TECHNICAL DATA ACTIVITIES | 3 | 4 | 1 | 3 |
| E PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES | 3 | 3 | 2 | 1 |
| F PERFORMING GENERAL AVIONIC MAINTENANCE ACTIVITIES | 25 | 23 | 29 | 25 |
| G MAINTAINING FIRE CONTROL RADAR SYSTEMS | 5 | 4 | 6 | 4 |
| H MAINTAINING INERTIAL NAVIGATIONAL SYSTEMS (INS) | 4 | 3 | 5 | 4 |
| I MAINTAINING FIRE CONTROL COMPUTER OR COMPUTER COMPLEX SYSTEMS | 4 | 3 | 4 | 3 |
| J MAINTAINING HEAD UP DISPLAY (HUD) AND COCKPIT TELEVISION VIDEO SENSOR (CTVS) SYSTEMS | 6 | 5 | 7 | 6 |
| K MAINTAINING HEAD DOWN DISPLAY SYSTEMS | 3 | 3 | 4 | 2 |
| L MAINTAINING FLIGHT CONTROL SYSTEMS | 4 | 4 | 4 | 6 |
| M MAINTAINING GENERAL AIR DATA COMPUTER SYSTEMS | 2 | 2 | 3 | 3 |
| N MAINTAINING ENGINE AND FUEL INSTRUMENT SYSTEMS | 3 | 2 | 4 | 5 |
| O MAINTAINING FLIGHT INSTRUMENT SYSTEMS | 3 | 3 | 4 | 6 |
| P MAINTAINING COMMUNICATION SYSTEMS | 6 | 5 | 7 | 9 |
| Q MAINTAINING NAVIGATIONAL SYSTEMS | 4 | 3 | 5 | 5 |
| R MAINTAINING PENETRATION AIDS AND ELECTRONIC COUNTERMEASURE SYSTEMS | 3 | 3 | 4 | 5 |
| S MAINTAINING LOW-ALTITUDE NAVIGATION AND TARGETING INFRARED FOR NIGHT (LANTIRN) TARGETING PODS | 1 | 2 | 1 | 0 |
| T MAINTAINING LANTIRN NAVIGATIONAL PODS | 2 | 3 | * | 0 |
| U PERFORMING BLOCK-50 ACTIVITIES | * | 1 | 0 | 0 |
| V PERFORMING GENERAL AIRCRAFT OR CROSS UTILIZATION TRAINING (CUT) ACTIVITIES | 5 | 6 | 3 | 6 |

TABLE 17

RELATIVE PERCENT TIME SPENT ON DUTIES BY DAFSC GROUPS

| DUTIES | ALL | ACTIVE | ANG | AFRES |
|---|-------------------|-------------------|------------------|-----------------|
| | 2A352B (N=170) | 2A352B (N=112) | 2A352B (N=49) | 2A352B (N=9) |
| A PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES | 4 | 6 | 1 | 2 |
| B PERFORMING TRAINING ACTIVITIES | 2 | 2 | 1 | 1 |
| C PERFORMING MAINTENANCE MANAGEMENT ACTIVITIES | 6 | 7 | 5 | 3 |
| D PERFORMING GENERAL ADMINISTRATIVE AND TECHNICAL DATA ACTIVITIES | 3 | 3 | 1 | 2 |
| E PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES | 3 | 4 | 2 | 2 |
| F PERFORMING GENERAL AVIONIC MAINTENANCE ACTIVITIES | 23 | 22 | 26 | 25 |
| G MAINTAINING FIRE CONTROL RADAR SYSTEMS | 2 | 2 | 3 | 3 |
| H MAINTAINING INERTIAL NAVIGATIONAL SYSTEMS (INS) | 2 | 2 | 3 | 2 |
| I MAINTAINING FIRE CONTROL COMPUTER OR COMPUTER COMPLEX SYSTEMS | 3 | 2 | 3 | 2 |
| J MAINTAINING HEAD UP DISPLAY (HUD) AND COCKPIT TELEVISION VIDEO SENSOR (CTVS) SYSTEMS | 4 | 4 | 4 | 5 |
| K MAINTAINING HEAD DOWN DISPLAY SYSTEMS | 2 | 2 | 2 | 2 |
| L MAINTAINING FLIGHT CONTROL SYSTEMS | 8 | 7 | 8 | 6 |
| M MAINTAINING GENERAL AIR DATA COMPUTER SYSTEMS | 4 | 4 | 4 | 4 |
| N MAINTAINING ENGINE AND FUEL INSTRUMENT SYSTEMS | 6 | 5 | 7 | 7 |
| O MAINTAINING FLIGHT INSTRUMENT SYSTEMS | 6 | 6 | 8 | 6 |
| P MAINTAINING COMMUNICATION SYSTEMS | 5 | 5 | 7 | 7 |
| Q MAINTAINING NAVIGATIONAL SYSTEMS | 4 | 3 | 4 | 5 |
| R MAINTAINING PENETRATION AIDS AND ELECTRONIC COUNTERMEASURE SYSTEMS | 3 | 3 | 4 | 4 |
| S MAINTAINING LOW-ALTITUDE NAVIGATION AND TARGETING INFRARED FOR NIGHT (LANTIRN) TARGETING PODS | 1 | 1 | * | 0 |
| T MAINTAINING LANTIRN NAVIGATIONAL PODS | 1 | 1 | * | 0 |
| U PERFORMING BLOCK-50 ACTIVITIES | * | 1 | * | 0 |
| V PERFORMING GENERAL AIRCRAFT OR CROSS UTILIZATION TRAINING (CUT) ACTIVITIES | 7 | 8 | 5 | 12 |

TABLE 18

RELATIVE PERCENT TIME SPENT ON DUTIES BY DAFSC GROUPS

| DUTIES | ALL 2A352C (N=230) | ACTIVE 2A352C (N=138) | ANG 2A352C (N=81) | AFRES 2A352C (N=11) |
|--|--------------------------|-----------------------------|-------------------------|---------------------------|
| A PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES | 5 | 7 | 1 | 3 |
| B PERFORMING TRAINING ACTIVITIES | 2 | 3 | 1 | 3 |
| C PERFORMING MAINTENANCE MANAGEMENT ACTIVITIES | 6 | 8 | 4 | 3 |
| D PERFORMING GENERAL ADMINISTRATIVE AND TECHNICAL DATA ACTIVITIES | 4 | 5 | 1 | 2 |
| E PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES | 4 | 5 | 2 | 2 |
| F PERFORMING GENERAL AVIONIC MAINTENANCE ACTIVITIES | 22 | 19 | 26 | 20 |
| G MAINTAINING FIRE CONTROL RADAR SYSTEMS | 3 | 2 | 3 | 3 |
| H MAINTAINING INERTIAL NAVIGATIONAL SYSTEMS (INS) | 2 | 2 | 3 | 2 |
| I MAINTAINING FIRE CONTROL COMPUTER OR COMPUTER COMPLEX SYSTEMS | 2 | 3 | 3 | 2 |
| J MAINTAINING HEAD UP DISPLAY (HUD) AND COCKPIT TELEVISION VIDEO SENSOR (CTVS) SYSTEMS | 3 | 3 | 4 | 4 |
| K MAINTAINING HEAD DOWN DISPLAY SYSTEMS | 2 | 2 | 2 | 1 |
| L MAINTAINING FLIGHT CONTROL SYSTEMS | 3 | 3 | 3 | 3 |
| M MAINTAINING GENERAL AIR DATA COMPUTER SYSTEMS | 2 | 2 | 2 | 2 |
| N MAINTAINING ENGINE AND FUEL INSTRUMENT SYSTEMS | 2 | 2 | 2 | 3 |
| O MAINTAINING FLIGHT INSTRUMENT SYSTEMS | 3 | 2 | 3 | 4 |
| P MAINTAINING COMMUNICATION SYSTEMS | 12 | 9 | 16 | 19 |
| Q MAINTAINING NAVIGATIONAL SYSTEMS | 8 | 6 | 10 | 8 |
| R MAINTAINING PENETRATION AIDS AND ELECTRONIC COUNTERMEASURE SYSTEMS | 7 | 6 | 9 | 7 |
| S MAINTAINING LOW-ALTITUDE NAVIGATION AND TARGETING INFRARED FOR NIGHT (LANTRN) TARGETING PODS | 1 | 1 | * | * |
| T MAINTAINING LANTRN NAVIGATIONAL PODS | 1 | 2 | * | * |
| U PERFORMING BLOCK-50 ACTIVITIES | * | 1 | * | 0 |
| V PERFORMING GENERAL AIRCRAFT OR CROSS UTILIZATION TRAINING (CUT) ACTIVITIES | 6 | 7 | 3 | 7 |

TABLE 19

RELATIVE PERCENT TIME SPENT ON DUTIES BY DAFSC GROUPS

| DUTIES | ALL 2A372 (N=535) | ACTIVE 2A372 (N=294) | ANG 2A372 (N=226) | AFRES 2A372 (N=15) |
|---|-------------------------|----------------------------|-------------------------|--------------------------|
| | | | | |
| A PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES | 23 | 32 | 12 | 6 |
| B PERFORMING TRAINING ACTIVITIES | 6 | 8 | 3 | 2 |
| C PERFORMING MAINTENANCE MANAGEMENT ACTIVITIES | 9 | 9 | 9 | 5 |
| D PERFORMING GENERAL ADMINISTRATIVE AND TECHNICAL DATA ACTIVITIES | 6 | 7 | 4 | 2 |
| E PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES | 4 | 4 | 3 | 4 |
| F PERFORMING GENERAL AVIONIC MAINTENANCE ACTIVITIES | 15 | 11 | 19 | 22 |
| G MAINTAINING FIRE CONTROL RADAR SYSTEMS | 2 | 1 | 3 | 3 |
| H MAINTAINING INERTIAL NAVIGATIONAL SYSTEMS (INS) | 2 | 1 | 3 | 3 |
| I MAINTAINING FIRE CONTROL COMPUTER OR COMPUTER COMPLEX SYSTEMS | 2 | 2 | 3 | 3 |
| J MAINTAINING HEAD UP DISPLAY (HUD) AND COCKPIT TELEVISION VIDEO SENSOR (CTVS) SYSTEMS | 3 | 2 | 4 | 5 |
| K MAINTAINING HEAD DOWN DISPLAY SYSTEMS | 1 | 1 | 2 | 2 |
| L MAINTAINING FLIGHT CONTROL SYSTEMS | 4 | 3 | 5 | 6 |
| M MAINTAINING GENERAL AIR DATA COMPUTER SYSTEMS | 2 | 1 | 2 | 3 |
| N MAINTAINING ENGINE AND FUEL INSTRUMENT SYSTEMS | 3 | 2 | 4 | 6 |
| O MAINTAINING FLIGHT INSTRUMENT SYSTEMS | 3 | 2 | 4 | 5 |
| P MAINTAINING COMMUNICATION SYSTEMS | 5 | 3 | 7 | 7 |
| Q MAINTAINING NAVIGATIONAL SYSTEMS | 3 | 2 | 4 | 5 |
| R MAINTAINING PENETRATION AIDS AND ELECTRONIC COUNTERMEASURE SYSTEMS | 3 | 2 | 4 | 6 |
| S MAINTAINING LOW-ALTITUDE NAVIGATION AND TARGETING INFRARED FOR NIGHT (LANTIRN) TARGETING PODS | * | 1 | * | 0 |
| T MAINTAINING LANTIRN NAVIGATIONAL PODS | * | 1 | * | 0 |
| U PERFORMING BLOCK-50 ACTIVITIES | * | * | * | 0 |
| V PERFORMING GENERAL AIRCRAFT OR CROSS UTILIZATION TRAINING (CUT) ACTIVITIES | 4 | 4 | 4 | 5 |

TABLE 20

REPRESENTATIVE TASKS PERFORMED BY ALL 2A332A PERSONNEL

| TASKS | | PERCENT MEMBERS PERFORMING (N=93) |
|-------|--|--|
| H267 | Operationally check INSs | 98 |
| J297 | Operationally check HUD systems | 96 |
| H274 | Remove or install INS LRUs | 95 |
| J303 | Remove or install HUD system LRUs | 95 |
| F195 | Operate head up display (HUD) systems for integrated troubleshooting | 94 |
| H266 | Isolate malfunctions to inertial navigation system (INS) LRUs | 91 |
| J296 | Operationally check AVTR systems | 90 |
| F215 | Perform BIT on UFCs | 89 |
| F218 | Perform safety wiring | 88 |
| F208 | Operationally check UFCs | 88 |
| F186 | Isolate malfunctions of UFCs | 88 |
| J302 | Remove or install AVTR system LRUs | 87 |
| J295 | Isolate malfunctions to HUD pilot display units (PDUs) | 87 |
| G259 | Operate FCR for operational checks or troubleshooting of other systems | 86 |
| K312 | Perform BIT on MFDs or CMDIs | 86 |
| K304 | Interpret BIT results on multifunction displays (MFDs) or color multifunction display indicators (CMDIs) | 85 |
| C108 | Access core automated maintenance system (CAMS) menus and data screens | 84 |
| F171 | Inspect aircraft wiring | 84 |
| J299 | Perform BIT on HUD systems | 84 |
| K309 | Operationally check MFDs or CMDIs | 84 |
| G263 | Remove or install FCR system LRUs | 83 |
| G257 | Isolate malfunctions to FCR system LRUs | 83 |
| J293 | Isolate malfunctions of airborne videotape recorder (AVTR) system components | 83 |
| F240 | Remove or install glare shields | 83 |
| I275 | Isolate malfunctions to fire control computers (FCCs) or general avionics computers (GACs) | 83 |
| H273 | Remove and install INU batteries | 82 |
| V556 | Walk wings or tails during aircraft towing operations | 82 |
| F188 | Isolate malfunctions to defective wiring | 82 |
| F175 | Interpret BIT results on up-front controls (UFCs) | 81 |
| F228 | Remove or install cannon-plug or wafer connectors | 81 |
| I280 | Operate FCCs or GACs for integrated avionic systems | 80 |
| G256 | Interpret BIT results on FCR systems | 80 |
| F194 | Load and verify line replaceable units (LRUs) with memory loader verifiers (MLVs) | 80 |
| C117 | Initiate or annotate aircraft flight or maintenance records, such as AF Forms 781 series | 78 |
| I283 | Operationally check FCC or GAC systems | 78 |
| F196 | Operate interphone systems to troubleshoot integrated avionics systems | 78 |
| F225 | Remove or install avionic power panels | 78 |
| G262 | Pressure test waveguide assemblies | 77 |
| I279 | Load and verify canopy or correction coefficients | 76 |
| K315 | Remove or install MFD or CMDI LRUs | 76 |

* Average Number of Tasks Performed - 144

TABLE 21

REPRESENTATIVE TASKS PERFORMED BY ACTIVE DUTY 2A332A PERSONNEL

| TASKS | | PERCENT MEMBERS PERFORMING (N=83) |
|-------|--|--|
| H267 | Operationally check INSS | 98 |
| J297 | Operationally check HUD systems | 95 |
| J303 | Remove or install HUD system LRUs | 95 |
| H274 | Remove or install INS LRUs | 94 |
| H266 | Isolate malfunctions to inertial navigation system (INS) LRUs | 94 |
| F195 | Operate head up display (HUD) systems for integrated troubleshooting | 93 |
| F208 | Operationally check UFCs | 92 |
| J302 | Remove or install AVTR system LRUs | 90 |
| F215 | Perform BIT on UFCs | 90 |
| J296 | Operationally check AVTR systems | 90 |
| K312 | Perform BIT on MFDs or CMDIs | 90 |
| J295 | Isolate malfunctions to HUD pilot display units (PDUs) | 89 |
| F218 | Perform safety wiring | 88 |
| K309 | Operationally check MFDs or CMDIs | 88 |
| F186 | Isolate malfunctions of UFCs | 88 |
| C108 | Access core automated maintenance system (CAMS) menus and data screens | 87 |
| V556 | Walk wings or tails during aircraft towing operations | 86 |
| K304 | Interpret BIT results on multifunction displays (MFDs) or color multifunction display indicators (CMDIs) | 86 |
| G259 | Operate FCR for operational checks or troubleshooting of other systems | 84 |
| J293 | Isolate malfunctions of airborne videotape recorder (AVTR) system components | 84 |
| F240 | Remove or install glare shields | 84 |
| G257 | Isolate malfunctions to FCR system LRUs | 83 |
| F171 | Inspect aircraft wiring | 83 |
| C117 | Initiate or annotate aircraft flight or maintenance records, such as AF Forms 781 series | 82 |
| G263 | Remove or install FCR system LRUs | 82 |
| F175 | Interpret BIT results on up-front controls (UFCs) | 82 |
| J299 | Perform BIT on HUD systems | 82 |
| F225 | Remove or install avionic power panels | 82 |
| K315 | Remove or install MFD or CMDI LRUs | 81 |
| I275 | Isolate malfunctions to fire control computers (FCCs) or general avionics computers (GACs) | 81 |
| F188 | Isolate malfunctions to defective wiring | 81 |
| I280 | Operate FCCs or GACs for integrated avionic systems | 80 |
| H273 | Remove and install INU batteries | 80 |
| F251 | Remove or install UFC LRUs | 80 |
| G256 | Interpret BIT results on FCR systems | 78 |
| I283 | Operationally check FCC or GAC systems | 78 |
| F194 | Load and verify line replaceable units (LRUs) with memory loader verifiers (MLVs) | 78 |
| F228 | Remove or install cannon-plug or wafer connectors | 78 |
| F196 | Operate interphone systems to troubleshoot integrated avionics systems | 77 |
| K307 | Isolate malfunctions to MFD or CMDI systems | 77 |
| F207 | Operationally check throttle grip assemblies | 77 |

* Average Number of Tasks Performed - 146

TABLE 22

REPRESENTATIVE TASKS PERFORMED BY ANG 2A332A PERSONNEL

| TASKS | | PERCENT MEMBERS PERFORMING (N=5) |
|-------|--|---|
| H270 | Perform preflight INS alignments | 100 |
| H273 | Remove and install INU batteries | 100 |
| H267 | Operationally check INSs | 100 |
| F195 | Operate head up display (HUD) systems for integrated troubleshooting | 100 |
| F220 | Plug or cap electrical or air lines | 100 |
| H274 | Remove or install INS LRUs | 100 |
| J301 | Perform integration checks of HUD systems | 100 |
| F196 | Operate interphone systems to troubleshoot integrated avionics systems | 100 |
| G263 | Remove or install FCR system LRUs | 100 |
| G257 | Isolate malfunctions to FCR system LRUs | 100 |
| G259 | Operate FCR for operational checks or troubleshooting of other systems | 100 |
| J296 | Operationally check AVTR systems | 100 |
| J297 | Operationally check HUD systems | 100 |
| J299 | Perform BIT on HUD systems | 100 |
| H266 | Isolate malfunctions to inertial navigation system (INS) LRUs | 100 |
| G262 | Pressure test waveguide assemblies | 100 |
| F228 | Remove or install cannon-plug or wafer connectors | 100 |
| I275 | Isolate malfunctions to fire control computers (FCCs) or general avionics computers (GACs) | 100 |
| I276 | Isolate malfunctions to multiplex busses (MUXBUSs) | 100 |
| F226 | Remove or install avionic systems minor hardware, such as control knobs | 100 |
| F188 | Isolate malfunctions to defective wiring | 100 |
| H272 | Recondition INU batteries | 80 |
| F205 | Operationally check panel lighting | 80 |
| G256 | Interpret BIT results on FCR systems | 80 |
| C117 | Initiate or annotate aircraft flight or maintenance records, such as AF Forms 781 series | 80 |
| J303 | Remove or install HUD system LRUs | 80 |
| F171 | Inspect aircraft wiring | 80 |
| J302 | Remove or install AVTR system LRUs | 80 |
| I279 | Load and verify canopy or correction coefficients | 80 |
| F194 | Load and verify line replaceable units (LRUs) with memory loader verifiers (MLVs) | 80 |
| G261 | Perform FCR integration checks | 80 |
| Q424 | Insert mode-4 codes | 80 |
| I280 | Operate FCCs or GACs for integrated avionic systems | 80 |
| F249 | Remove or install throttle grip assemblies | 80 |
| J293 | Isolate malfunctions of airborne videotape recorder (AVTR) system components | 80 |
| F170 | Adjust avionic systems minor hardware, such as control knobs | 80 |
| I285 | Remove or install FCC or GAC system LRUs | 80 |
| F207 | Operationally check throttle grip assemblies | 80 |
| I283 | Operationally check FCC or GAC systems | 80 |
| F201 | Operationally check flight control stick-grip assemblies | 80 |
| G258 | Isolate malfunctions to FCR waveguide assemblies | 80 |
| F192 | Isolate malfunctions within combined altitude radar altimeter (CARA) systems | 80 |

TABLE 23

REPRESENTATIVE TASKS PERFORMED BY AFRES 2A332A PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=4) |
|---|---|
| F195 Operate head up display (HUD) systems for integrated troubleshooting | 100 |
| F194 Load and verify line replaceable units (LRUs) with memory loader verifiers (MLVs) | 100 |
| F215 Perform BIT on UFCs | 100 |
| F196 Operate interphone systems to troubleshoot integrated avionics systems | 100 |
| F210 Perform BIT of DTE LRUs | 100 |
| J303 Remove or install HUD system LRUs | 100 |
| J297 Operationally check HUD systems | 100 |
| F171 Inspect aircraft wiring | 100 |
| I275 Isolate malfunctions to fire control computers (FCCs) or general avionics computers (GACs) | 100 |
| F186 Isolate malfunctions of UFCs | 100 |
| H274 Remove or install INS LRUs | 100 |
| G256 Interpret BIT results on FCR systems | 100 |
| H267 Operationally check INSS | 100 |
| J299 Perform BIT on HUD systems | 100 |
| G259 Operate FCR for operational checks or troubleshooting of other systems | 100 |
| F228 Remove or install cannon-plug or wafer connectors | 100 |
| F177 Isolate malfunctions of data transfer equipment (DTE) | 100 |
| H273 Remove and install INU batteries | 100 |
| V524 Position or remove aircraft chocks | 100 |
| G262 Pressure test waveguide assemblies | 100 |
| F218 Perform safety wiring | 100 |
| K304 Interpret BIT results on multifunction displays (MFDs) or color multifunction display indicators (CMDIs) | 100 |
| V530 Remove or install aircraft doors or panels | 75 |
| F193 Load and verify display processors | 75 |
| J289 Boresight HUD systems | 75 |
| F208 Operationally check UFCs | 75 |
| F220 Plug or cap electrical or air lines | 75 |
| V535 Remove or install aircraft safety pins or locks | 75 |
| M349 Perform leak checks of pitot-static systems | 75 |
| F205 Operationally check panel lighting | 75 |
| J292 Interpret BIT results on HUD systems, other than CTVSs | 75 |
| V523 Position nonpowered or powered aerospace ground equipment (AGE) | 75 |
| J295 Isolate malfunctions to HUD pilot display units (PDUs) | 75 |
| H270 Perform preflight INS alignments | 75 |
| M348 Operationally check pitot-static probe heaters | 75 |
| J296 Operationally check AVTR systems | 75 |
| F240 Remove or install glare shields | 75 |
| F175 Interpret BIT results on up-front controls (UFCs) | 75 |
| M344 Isolate malfunctions of central air data computers (CADCs) | 75 |
| G255 Boresight fire control radar (FCR) antennas | 75 |
| V508 Launch or recover aircraft | 75 |

* Average Number of Tasks Performed - 127

TABLE 24

REPRESENTATIVE TASKS PERFORMED BY ALL 2A332B PERSONNEL

| TASKS | | PERCENT MEMBERS PERFORMING (N=37) |
|-------|---|--|
| F171 | Inspect aircraft wiring | 92 |
| L341 | Remove or install flight control system LRUs | 89 |
| F170 | Adjust avionic systems minor hardware, such as control knobs | 86 |
| M351 | Remove or install central air data system LRUs | 86 |
| L323 | Isolate malfunctions of flight control systems | 84 |
| M345 | Isolate malfunctions of pitot-static systems | 84 |
| M348 | Operationally check pitot-static probe heaters | 84 |
| L319 | Isolate malfunctions of air data systems | 84 |
| L338 | Perform flight control systems self-tests or BITs | 81 |
| M349 | Perform leak checks of pitot-static systems | 81 |
| M344 | Isolate malfunctions of central air data computers (CADCs) | 81 |
| M352 | Remove or install pitot-static components | 81 |
| F228 | Remove or install cannon-plug or wafer connectors | 81 |
| F187 | Isolate malfunctions to avionics relays or relay matrixes | 81 |
| M343 | Isolate malfunctions of air speed mach indicating systems | 81 |
| F197 | Operationally check ADIs | 81 |
| F191 | Isolate malfunctions within attitude direction indicators (ADIs) | 81 |
| C108 | Access core automated maintenance system (CAMS) menus and data screens | 78 |
| F172 | Inspect flightline support equipment | 78 |
| F218 | Perform safety wiring | 78 |
| M347 | Operationally check central air data systems | 78 |
| F194 | Load and verify line replaceable units (LRUs) with memory loader verifiers (MLVs) | 78 |
| N353 | Calibrate fuel quantity indicating systems | 78 |
| F188 | Isolate malfunctions to defective wiring | 78 |
| F180 | Isolate malfunctions of horizontal situational indicators (HSIs) | 78 |
| F201 | Operationally check flight control stick-grip assemblies | 78 |
| F203 | Operationally check HSIs | 78 |
| F253 | Remove or install weight-on-wheel switches | 76 |
| V535 | Remove or install aircraft safety pins or locks | 76 |
| F190 | Isolate malfunctions to weight-on-wheel switches | 76 |
| F209 | Operationally check weight-on-wheel switches | 76 |
| N356 | Isolate malfunctions of fuel quantity indicating systems | 76 |
| F179 | Isolate malfunctions of flight control stick-grip assemblies | 76 |
| O392 | Remove or install AOA indicators | 76 |
| O384 | Operationally check air speed mach indicating systems | 76 |
| F223 | Remove or install ADIs | 76 |
| Q424 | Insert mode-4 codes | 73 |
| L329 | Operate flight control systems for integrated avionic systems troubleshooting | 73 |
| F220 | Plug or cap electrical or air lines | 73 |
| F240 | Remove or install glare shields | 73 |
| F196 | Operate interphone systems to troubleshoot integrated avionics systems | 73 |
| O385 | Operationally check AOA indicating systems | 73 |
| H267 | Operationally check INSs | 73 |
| F227 | Remove or install avionic systems relays or relay matrixes | 73 |

TABLE 25

REPRESENTATIVE TASKS PERFORMED BY ACTIVE DUTY 2A332B PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=32) |
|--|--|
| F171 Inspect aircraft wiring | 94 |
| L341 Remove or install flight control system LRUs | 88 |
| M349 Perform leak checks of pitot-static systems | 88 |
| L323 Isolate malfunctions of flight control systems | 88 |
| F170 Adjust avionic systems minor hardware, such as control knobs | 88 |
| F172 Inspect flightline support equipment | 88 |
| M345 Isolate malfunctions of pitot-static systems | 88 |
| M351 Remove or install central air data system LRUs | 88 |
| L319 Isolate malfunctions of air data systems | 88 |
| M348 Operationally check pitot-static probe heaters | 84 |
| M344 Isolate malfunctions of central air data computers (CADCs) | 84 |
| M352 Remove or install pitot-static components | 84 |
| F253 Remove or install weight-on-wheel switches | 84 |
| M347 Operationally check central air data systems | 84 |
| C108 Access core automated maintenance system (CAMS) menus and data screens | 81 |
| L338 Perform flight control systems self-tests or BITs | 81 |
| V524 Position or remove aircraft chocks | 81 |
| V556 Walk wings or tails during aircraft towing operations | 81 |
| F218 Perform safety wiring | 81 |
| V535 Remove or install aircraft safety pins or locks | 81 |
| F228 Remove or install cannon-plug or wafer connectors | 81 |
| M343 Isolate malfunctions of air speed mach indicating systems | 81 |
| O384 Operationally check air speed mach indicating systems | 81 |
| F197 Operationally check ADIs | 81 |
| F191 Isolate malfunctions within attitude direction indicators (ADIs) | 81 |
| F203 Operationally check HSIs | 81 |
| F220 Plug or cap electrical or air lines | 78 |
| F190 Isolate malfunctions to weight-on-wheel switches | 78 |
| F194 Load and verify line replaceable units (LRUs) with memory loader verifiers (MLVs) | 78 |
| N353 Calibrate fuel quantity indicating systems | 78 |
| F209 Operationally check weight-on-wheel switches | 78 |
| F188 Isolate malfunctions to defective wiring | 78 |
| F187 Isolate malfunctions to avionics relays or relay matrixes | 78 |
| F217 Perform CSFDR downloads | 75 |
| V508 Launch or recover aircraft | 75 |
| F240 Remove or install glare shields | 75 |
| N356 Isolate malfunctions of fuel quantity indicating systems | 75 |
| F225 Remove or install avionic power panels | 75 |
| F179 Isolate malfunctions of flight control stick-grip assemblies | 75 |
| O385 Operationally check AOA indicating systems | 75 |
| O392 Remove or install AOA indicators | 75 |
| F201 Operationally check flight control stick-grip assemblies | 75 |
| F227 Remove or install avionic systems relays or relay matrixes | 75 |
| O390 Remove or install altimeters | 75 |

* Average Number of Tasks Performed - 170

TABLE 26

REPRESENTATIVE TASKS PERFORMED BY ANG 2A332B PERSONNEL

| TASKS | | PERCENT MEMBERS PERFORMING (N=5) |
|-------|--|---|
| Q424 | Insert mode-4 codes | 100 |
| F187 | Isolate malfunctions to avionics relays or relay matrixes | 100 |
| L329 | Operate flight control systems for integrated avionic systems troubleshooting | 100 |
| L341 | Remove or install flight control system LRUs | 100 |
| F180 | Isolate malfunctions of horizontal situational indicators (HSIs) | 100 |
| Q440 | Remove or install IFF system LRUs | 100 |
| J303 | Remove or install HUD system LRUs | 100 |
| P422 | Remove or install UHF system LRUs | 100 |
| F201 | Operationally check flight control stick-grip assemblies | 100 |
| I275 | Isolate malfunctions to fire control computers (FCCs) or general avionics computers (GACs) | 100 |
| I285 | Remove or install FCC or GAC system LRUs | 100 |
| N368 | Remove or install FTIT indicators | 100 |
| V530 | Remove or install aircraft doors or panels | 80 |
| F170 | Adjust avionic systems minor hardware, such as control knobs | 80 |
| Q433 | Operationally check IFF systems | 80 |
| F238 | Remove or install fire control navigation panels (FCNPs) | 80 |
| F171 | Inspect aircraft wiring | 80 |
| P421 | Remove or install UHF antennas | 80 |
| K310 | Operationally check REO display systems | 80 |
| O383 | Operate flight instrument systems for integrated avionic systems | 80 |
| F194 | Load and verify line replaceable units (LRUs) with memory loader verifiers (MLVs) | 80 |
| F195 | Operate head up display (HUD) systems for integrated troubleshooting | 80 |
| J297 | Operationally check HUD systems | 80 |
| O387 | Operationally check magnetic standby compasses | 80 |
| F191 | Isolate malfunctions within attitude direction indicators (ADIs) | 80 |
| H267 | Operationally check INSs | 80 |
| N353 | Calibrate fuel quantity indicating systems | 80 |
| M348 | Operationally check pitot-static probe heaters | 80 |
| L317 | Boresight angle-of-attack (AOA) transmitters | 80 |
| F188 | Isolate malfunctions to defective wiring | 80 |
| L338 | Perform flight control systems self-tests or BITs | 80 |
| P416 | Operationally check UHF systems | 80 |
| G263 | Remove or install FCR system LRUs | 80 |
| P417 | Operationally check VHF systems | 80 |
| F228 | Remove or install cannon-plug or wafer connectors | 80 |
| H266 | Isolate malfunctions to inertial navigation system (INS) LRUs | 80 |
| F179 | Isolate malfunctions of flight control stick-grip assemblies | 80 |
| G259 | Operate FCR for operational checks or troubleshooting of other systems | 80 |
| F185 | Isolate malfunctions of throttle grip assemblies | 80 |
| O392 | Remove or install AOA indicators | 80 |
| P423 | Remove or install VHF system LRUs | 80 |
| P399 | Change ultrahigh frequency (UHF) or very-high frequency (VHF) radio preset frequencies | 80 |

TABLE 27

REPRESENTATIVE TASKS PERFORMED BY ALL 2A332C PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=82) | |
|-------|--|----|
| Q424 | Insert mode-4 codes | 99 |
| P422 | Remove or install UHF system LRUs | 95 |
| P416 | Operationally check UHF systems | 93 |
| Q443 | Remove or install TACAN system LRUs | 90 |
| F196 | Operate interphone systems to troubleshoot integrated avionics systems | 89 |
| P408 | Isolate malfunctions of UHF systems | 89 |
| P421 | Remove or install UHF antennas | 89 |
| F170 | Adjust avionic systems minor hardware, such as control knobs | 87 |
| Q433 | Operationally check IFF systems | 87 |
| Q435 | Operationally check TACAN systems | 87 |
| F218 | Perform safety wiring | 85 |
| C108 | Access core automated maintenance system (CAMS) menus and data screens | 84 |
| P417 | Operationally check VHF systems | 84 |
| Q438 | Perform BIT on TACAN systems | 84 |
| R451 | Operationally check RTWSs | 83 |
| F171 | Inspect aircraft wiring | 83 |
| P423 | Remove or install VHF system LRUs | 83 |
| P400 | Insert codes into secure voice units | 82 |
| P409 | Isolate malfunctions of VHF systems | 82 |
| P414 | Operationally check intercommunication systems | 82 |
| P407 | Isolate malfunctions of UHF antennas | 82 |
| F194 | Load and verify line replaceable units (LRUs) with memory loader verifiers (MLVs) | 82 |
| Q431 | Isolate malfunctions of TACAN systems | 82 |
| V556 | Walk wings or tails during aircraft towing operations | 80 |
| Q440 | Remove or install IFF system LRUs | 80 |
| R456 | Remove or install ECM pods, pylons, or controls | 79 |
| R458 | Remove or install RTWS LRUs | 79 |
| P399 | Change ultrahigh frequency (UHF) or very-high frequency (VHF) radio preset frequencies | 79 |
| P420 | Remove or install secure voice system LRUs | 79 |
| Q428 | Isolate malfunctions of IFF systems | 79 |
| F228 | Remove or install cannon-plug or wafer connectors | 79 |
| Q436 | Perform BIT on IFF systems | 79 |
| P419 | Remove or install intercommunication system LRUs | 78 |
| P410 | Load HAVE QUICK frequencies | 78 |
| P415 | Operationally check secure voice systems | 77 |
| Q425 | Interpret BIT results on air-to-air identification friend or foe (IFF) systems | 77 |
| F203 | Operationally check HSIs | 77 |
| Q434 | Operationally check ILS systems | 77 |
| R448 | Operate integrated avionic systems for RTWS troubleshooting | 76 |
| R447 | Isolate malfunctions of radar threat warning systems (RTWSs) | 76 |
| R444 | Isolate malfunctions of chaff-/flare dispenser systems (CFDSs) | 76 |
| F230 | Remove or install coaxial cables | 76 |
| P405 | Isolate malfunctions of interphone systems | 74 |

* Average Number of Tasks Performed - 130

TABLE 28

REPRESENTATIVE TASKS PERFORMED BY ACTIVE DUTY 2A332C PERSONNEL

| TASKS | | PERCENT MEMBERS PERFORMING (N=73) |
|-------|--|--|
| Q424 | Insert mode-4 codes | 99 |
| P422 | Remove or install UHF system LRUs | 95 |
| P416 | Operationally check UHF systems | 93 |
| Q443 | Remove or install TACAN system LRUs | 90 |
| P421 | Remove or install UHF antennas | 89 |
| F196 | Operate interphone systems to troubleshoot integrated avionics systems | 88 |
| P408 | Isolate malfunctions of UHF systems | 88 |
| F170 | Adjust avionic systems minor hardware, such as control knobs | 86 |
| Q435 | Operationally check TACAN systems | 86 |
| Q433 | Operationally check IFF systems | 85 |
| Q438 | Perform BIT on TACAN systems | 85 |
| C108 | Access core automated maintenance system (CAMS) menus and data screens | 84 |
| R451 | Operationally check RTWSs | 84 |
| P417 | Operationally check VHF systems | 84 |
| V556 | Walk wings or tails during aircraft towing operations | 84 |
| F218 | Perform safety wiring | 84 |
| F171 | Inspect aircraft wiring | 82 |
| P423 | Remove or install VHF system LRUs | 82 |
| F194 | Load and verify line replaceable units (LRUs) with memory loader verifiers (MLVs) | 82 |
| P400 | Insert codes into secure voice units | 81 |
| P409 | Isolate malfunctions of VHF systems | 81 |
| P407 | Isolate malfunctions of UHF antennas | 81 |
| P399 | Change ultrahigh frequency (UHF) or very-high frequency (VHF) radio preset frequencies | 81 |
| F203 | Operationally check HSIs | 81 |
| V524 | Position or remove aircraft chocks | 79 |
| R456 | Remove or install ECM pods, pylons, or controls | 79 |
| R458 | Remove or install RTWS LRUs | 79 |
| P414 | Operationally check intercommunication systems | 79 |
| Q428 | Isolate malfunctions of IFF systems | 79 |
| Q440 | Remove or install IFF system LRUs | 79 |
| F228 | Remove or install cannon-plug or wafer connectors | 79 |
| Q431 | Isolate malfunctions of TACAN systems | 79 |
| P420 | Remove or install secure voice system LRUs | 78 |
| Q436 | Perform BIT on IFF systems | 78 |
| P419 | Remove or install intercommunication system LRUs | 77 |
| P410 | Load HAVE QUICK frequencies | 77 |
| R448 | Operate integrated avionic systems for RTWS troubleshooting | 75 |
| R447 | Isolate malfunctions of radar threat warning systems (RTWSs) | 75 |
| P415 | Operationally check secure voice systems | 75 |
| Q425 | Interpret BIT results on air-to-air identification friend or foe (IFF) systems | 75 |
| Q434 | Operationally check ILS systems | 75 |
| F172 | Inspect flightline support equipment | 74 |
| R444 | Isolate malfunctions of chaff-/flare dispenser systems (CFDSs) | 74 |

* Average Number of Tasks Performed - 126

TABLE 29

REPRESENTATIVE TASKS PERFORMED BY ANG 2A332C PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=5) |
|---|---|
| Q424 Insert mode-4 codes | 100 |
| P400 Insert codes into secure voice units | 100 |
| F225 Remove or install avionic power panels | 100 |
| F218 Perform safety wiring | 100 |
| F230 Remove or install coaxial cables | 100 |
| Q425 Interpret BIT results on air-to-air identification friend or foe (IFF) systems | 100 |
| P422 Remove or install UHF system LRUs | 100 |
| P414 Operationally check intercommunication systems | 100 |
| F196 Operate interphone systems to troubleshoot integrated avionics systems | 100 |
| F228 Remove or install cannon-plug or wafer connectors | 100 |
| P408 Isolate malfunctions of UHF systems | 100 |
| F222 Remove corrosion or foreign matter from avionic components | 100 |
| Q435 Operationally check TACAN systems | 100 |
| Q433 Operationally check IFF systems | 100 |
| Q434 Operationally check ILS systems | 100 |
| F227 Remove or install avionic systems relays or relay matrixes | 100 |
| C108 Access core automated maintenance system (CAMS) menus and data screens | 100 |
| R458 Remove or install RTWS LRUs | 100 |
| P401 Isolate malfunctions of communication matrixes | 100 |
| Q431 Isolate malfunctions of TACAN systems | 100 |
| E162 Inventory equipment, tools, parts, or supplies | 80 |
| C117 Initiate or annotate aircraft flight or maintenance records, such as AF Forms 781 series | 80 |
| P415 Operationally check secure voice systems | 80 |
| R451 Operationally check RTWSs | 80 |
| R449 Operationally check CFDSs | 80 |
| F171 Inspect aircraft wiring | 80 |
| R455 Remove or install CFDS LRUs | 80 |
| R447 Isolate malfunctions of radar threat warning systems (RTWSs) | 80 |
| R444 Isolate malfunctions of chaff-/flare dispenser systems (CFDSs) | 80 |
| F224 Remove or install aircraft harnesses | 80 |
| P399 Change ultrahigh frequency (UHF) or very-high frequency (VHF) radio preset frequencies | 80 |
| Q441 Remove or install ILS system LRUs | 80 |
| Q443 Remove or install TACAN system LRUs | 80 |
| F226 Remove or install avionic systems minor hardware, such as control knobs | 80 |
| P423 Remove or install VHF system LRUs | 80 |
| F220 Plug or cap electrical or air lines | 80 |
| Q440 Remove or install IFF system LRUs | 80 |
| F197 Operationally check ADIs | 80 |
| F170 Adjust avionic systems minor hardware, such as control knobs | 80 |
| P416 Operationally check UHF systems | 80 |
| P409 Isolate malfunctions of VHF systems | 80 |
| F221 Remove and install LRU lithium batteries | 80 |
| F175 Interpret BIT results on up-front controls (UFCs) | 80 |

* Average Number of Tasks Performed - 143

TABLE 30

REPRESENTATIVE TASKS PERFORMED BY AFRES 2A332C PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=4) |
|---|---|
| R456 Remove or install ECM pods, pylons, or controls | 100 |
| Q424 Insert mode-4 codes | 100 |
| K315 Remove or install MFD or CMDI LRUs | 100 |
| F170 Adjust avionic systems minor hardware, such as control knobs | 100 |
| J302 Remove or install AVTR system LRUs | 100 |
| P423 Remove or install VHF system LRUs | 100 |
| Q440 Remove or install IFF system LRUs | 100 |
| P417 Operationally check VHF systems | 100 |
| Q433 Operationally check IFF systems | 100 |
| F171 Inspect aircraft wiring | 100 |
| P422 Remove or install UHF system LRUs | 100 |
| K309 Operationally check MFDs or CMDIs | 100 |
| P416 Operationally check UHF systems | 100 |
| K312 Perform BIT on MFDs or CMDIs | 100 |
| J296 Operationally check AVTR systems | 100 |
| Q441 Remove or install ILS system LRUs | 100 |
| P420 Remove or install secure voice system LRUs | 100 |
| Q443 Remove or install TACAN system LRUs | 100 |
| R444 Isolate malfunctions of chaff-/flare dispenser systems (CFDSs) | 100 |
| P415 Operationally check secure voice systems | 100 |
| P419 Remove or install intercommunication system LRUs | 100 |
| P409 Isolate malfunctions of VHF systems | 100 |
| Q428 Isolate malfunctions of IFF systems | 100 |
| Q436 Perform BIT on IFF systems | 100 |
| P408 Isolate malfunctions of UHF systems | 100 |
| F196 Operate interphone systems to troubleshoot integrated avionics systems | 100 |
| Q429 Isolate malfunctions of instrument landing systems (ILSs) | 100 |
| R445 Isolate malfunctions of electronic countermeasures (ECM) pod systems | 100 |
| P407 Isolate malfunctions of UHF antennas | 100 |
| F218 Perform safety wiring | 100 |
| P406 Isolate malfunctions of secure voice systems | 100 |
| P414 Operationally check intercommunication systems | 100 |
| P405 Isolate malfunctions of interphone systems | 100 |
| R450 Operationally check external ECM pod systems | 100 |
| K304 Interpret BIT results on multifunction displays (MFDs) or color multifunction display indicators (CMDIs) | 100 |
| P410 Load HAVE QUICK frequencies | 100 |
| F208 Operationally check UFCs | 100 |
| Q431 Isolate malfunctions of TACAN systems | 100 |
| P403 Isolate malfunctions of engine warning control units (EWCUs) or Voice Message Units (VMUs) | 100 |
| P421 Remove or install UHF antennas | 100 |
| F194 Load and verify line replaceable units (LRUs) with memory loader verifiers (MLVs) | 100 |
| F195 Operate head up display (HUD) systems for integrated troubleshooting | 100 |

* Average Number of Tasks Performed - 182

TABLE 31

REPRESENTATIVE TASKS PERFORMED BY ALL 2A352A PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=219) |
|---|---|
| H267 Operationally check INSSs | 88 |
| F171 Inspect aircraft wiring | 88 |
| J297 Operationally check HUD systems | 88 |
| H274 Remove or install INS LRUs | 86 |
| H266 Isolate malfunctions to inertial navigation system (INS) LRUs | 86 |
| F218 Perform safety wiring | 86 |
| F195 Operate head up display (HUD) systems for integrated troubleshooting | 86 |
| J303 Remove or install HUD system LRUs | 86 |
| J295 Isolate malfunctions to HUD pilot display units (PDUs) | 84 |
| G263 Remove or install FCR system LRUs | 84 |
| F170 Adjust avionic systems minor hardware, such as control knobs | 84 |
| C108 Access core automated maintenance system (CAMS) menus and data screens | 84 |
| F226 Remove or install avionic systems minor hardware, such as control knobs | 84 |
| F207 Operationally check throttle grip assemblies | 83 |
| F228 Remove or install cannon-plug or wafer connectors | 83 |
| G259 Operate FCR for operational checks or troubleshooting of other systems | 83 |
| G257 Isolate malfunctions to FCR system LRUs | 82 |
| I275 Isolate malfunctions to fire control computers (FCCs) or general avionics computers (GACs) | 82 |
| J299 Perform BIT on HUD systems | 82 |
| F249 Remove or install throttle grip assemblies | 82 |
| F187 Isolate malfunctions to avionics relays or relay matrixes | 82 |
| G256 Interpret BIT results on FCR systems | 81 |
| F188 Isolate malfunctions to defective wiring | 81 |
| F203 Operationally check HSIs | 81 |
| F185 Isolate malfunctions of throttle grip assemblies | 81 |
| I280 Operate FCCs or GACs for integrated avionic systems | 81 |
| F196 Operate interphone systems to troubleshoot integrated avionics systems | 80 |
| K309 Operationally check MFDs or CMDIs | 80 |
| G262 Pressure test waveguide assemblies | 80 |
| I285 Remove or install FCC or GAC system LRUs | 80 |
| F208 Operationally check UFCs | 80 |
| F242 Remove or install HSIs | 80 |
| J302 Remove or install AVTR system LRUs | 79 |
| F240 Remove or install glare shields | 79 |
| F230 Remove or install coaxial cables | 79 |
| F227 Remove or install avionic systems relays or relay matrixes | 79 |
| I279 Load and verify canopy or correction coefficients | 79 |
| G258 Isolate malfunctions to FCR waveguide assemblies | 79 |
| F225 Remove or install avionic power panels | 79 |
| F197 Operationally check ADIs | 79 |
| I283 Operationally check FCC or GAC systems | 78 |
| F215 Perform BIT on UFCs | 78 |
| F186 Isolate malfunctions of UFCs | 78 |

* Average Number of Tasks Performed - 200

TABLE 32

REPRESENTATIVE TASKS PERFORMED BY ACTIVE DUTY 2A352A PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=140) | |
|-------|--|----|
| C108 | Access core automated maintenance system (CAMS) menus and data screens | 85 |
| K309 | Operationally check MFDs or CMDIs | 84 |
| J303 | Remove or install HUD system LRUs | 84 |
| F171 | Inspect aircraft wiring | 83 |
| H267 | Operationally check INSs | 83 |
| J297 | Operationally check HUD systems | 83 |
| F218 | Perform safety wiring | 83 |
| K307 | Isolate malfunctions to MFD or CMDI systems | 83 |
| H274 | Remove or install INS LRUs | 82 |
| K312 | Perform BIT on MFDs or CMDIs | 82 |
| F195 | Operate head up display (HUD) systems for integrated troubleshooting | 81 |
| H266 | Isolate malfunctions to inertial navigation system (INS) LRUs | 81 |
| J295 | Isolate malfunctions to HUD pilot display units (PDUs) | 81 |
| F207 | Operationally check throttle grip assemblies | 81 |
| F208 | Operationally check UFCs | 81 |
| F185 | Isolate malfunctions of throttle grip assemblies | 81 |
| F187 | Isolate malfunctions to avionics relays or relay matrixes | 81 |
| F249 | Remove or install throttle grip assemblies | 81 |
| K304 | Interpret BIT results on multifunction displays (MFDs) or color multifunction display indicators (CMDIs) | 80 |
| K315 | Remove or install MFD or CMDI LRUs | 80 |
| F186 | Isolate malfunctions of UFCs | 80 |
| F188 | Isolate malfunctions to defective wiring | 80 |
| F228 | Remove or install cannon-plug or wafer connectors | 80 |
| F170 | Adjust avionic systems minor hardware, such as control knobs | 79 |
| F215 | Perform BIT on UFCs | 79 |
| G263 | Remove or install FCR system LRUs | 78 |
| J299 | Perform BIT on HUD systems | 78 |
| F203 | Operationally check HSIs | 78 |
| F240 | Remove or install glare shields | 77 |
| F226 | Remove or install avionic systems minor hardware, such as control knobs | 77 |
| G257 | Isolate malfunctions to FCR system LRUs | 76 |
| I280 | Operate FCCs or GACs for integrated avionic systems | 76 |
| G259 | Operate FCR for operational checks or troubleshooting of other systems | 76 |
| F230 | Remove or install coaxial cables | 76 |
| F242 | Remove or install HSIs | 76 |
| F197 | Operationally check ADIs | 76 |
| I283 | Operationally check FCC or GAC systems | 76 |
| I275 | Isolate malfunctions to fire control computers (FCCs) or general avionics computers (GACs) | 76 |
| I285 | Remove or install FCC or GAC system LRUs | 76 |
| J302 | Remove or install AVTR system LRUs | 76 |
| J296 | Operationally check AVTR systems | 76 |
| F196 | Operate interphone systems to troubleshoot integrated avionics systems | 76 |

* Average Number of Tasks Performed - 197

TABLE 33

REPRESENTATIVE TASKS PERFORMED BY ANG 2A352A PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=72) |
|---|--|
| H267 Operationally check INSS | 97 |
| F171 Inspect aircraft wiring | 96 |
| J297 Operationally check HUD systems | 96 |
| G263 Remove or install FCR system LRUs | 94 |
| G259 Operate FCR for operational checks or troubleshooting of other systems | 94 |
| G256 Interpret BIT results on FCR systems | 94 |
| G262 Pressure test waveguide assemblies | 94 |
| H266 Isolate malfunctions to inertial navigation system (INS) LRUs | 94 |
| I275 Isolate malfunctions to fire control computers (FCCs) or general avionics computers (GACs) | 94 |
| F226 Remove or install avionic systems minor hardware, such as control knobs | 94 |
| F195 Operate head up display (HUD) systems for integrated troubleshooting | 93 |
| G257 Isolate malfunctions to FCR system LRUs | 93 |
| H274 Remove or install INS LRUs | 93 |
| F170 Adjust avionic systems minor hardware, such as control knobs | 92 |
| H273 Remove and install INU batteries | 92 |
| F218 Perform safety wiring | 92 |
| G264 Remove or install waveguides | 92 |
| J299 Perform BIT on HUD systems | 90 |
| G258 Isolate malfunctions to FCR waveguide assemblies | 90 |
| I280 Operate FCCs or GACs for integrated avionic systems | 89 |
| J303 Remove or install HUD system LRUs | 89 |
| J295 Isolate malfunctions to HUD pilot display units (PDUs) | 89 |
| I279 Load and verify canopy or correction coefficients | 89 |
| F196 Operate interphone systems to troubleshoot integrated avionics systems | 88 |
| Q424 Insert mode-4 codes | 88 |
| F219 Perform TCTO modifications | 88 |
| F228 Remove or install cannon-plug or wafer connectors | 88 |
| I285 Remove or install FCC or GAC system LRUs | 86 |
| F203 Operationally check HSIs | 86 |
| F201 Operationally check flight control stick-grip assemblies | 86 |
| F242 Remove or install HSIs | 86 |
| F227 Remove or install avionic systems relays or relay matrixes | 86 |
| G261 Perform FCR integration checks | 85 |
| F207 Operationally check throttle grip assemblies | 85 |
| I283 Operationally check FCC or GAC systems | 83 |
| J301 Perform integration checks of HUD systems | 83 |
| J302 Remove or install AVTR system LRUs | 83 |
| F188 Isolate malfunctions to defective wiring | 83 |
| P416 Operationally check UHF systems | 83 |
| P417 Operationally check VHF systems | 83 |
| F249 Remove or install throttle grip assemblies | 83 |
| I276 Isolate malfunctions to multiplex busses (MUXBUSs) | 83 |
| F223 Remove or install ADIs | 83 |

* Average Number of Tasks Performed - 199

TABLE 34

REPRESENTATIVE TASKS PERFORMED BY AFRES 2A352A PERSONNEL

| TASKS | | PERCENT MEMBERS PERFORMING (N=7) |
|-------|--|---|
| C108 | Access core automated maintenance system (CAMS) menus and data screens | 100 |
| C117 | Initiate or annotate aircraft flight or maintenance records, such as AF Forms 781 series | 100 |
| G263 | Remove or install FCR system LRUs | 100 |
| F208 | Operationally check UFCs | 100 |
| H267 | Operationally check INSs | 100 |
| F170 | Adjust avionic systems minor hardware, such as control knobs | 100 |
| R447 | Isolate malfunctions of radar threat warning systems (RTWSs) | 100 |
| H274 | Remove or install INS LRUs | 100 |
| H273 | Remove and install INU batteries | 100 |
| F177 | Isolate malfunctions of data transfer equipment (DTE) | 100 |
| Q424 | Insert mode-4 codes | 100 |
| F171 | Inspect aircraft wiring | 100 |
| F196 | Operate interphone systems to troubleshoot integrated avionics systems | 100 |
| C122 | Review aircraft flight or maintenance records, such as AF Forms 781 series | 100 |
| F172 | Inspect flightline support equipment | 100 |
| R444 | Isolate malfunctions of chaff-/flare dispenser systems (CFDSs) | 100 |
| P417 | Operationally check VHF systems | 100 |
| P416 | Operationally check UHF systems | 100 |
| F195 | Operate head up display (HUD) systems for integrated troubleshooting | 100 |
| H266 | Isolate malfunctions to inertial navigation system (INS) LRUs | 100 |
| J293 | Isolate malfunctions of airborne videotape recorder (AVTR) system components | 100 |
| V530 | Remove or install aircraft doors or panels | 100 |
| I279 | Load and verify canopy or correction coefficients | 100 |
| I285 | Remove or install FCC or GAC system LRUs | 100 |
| J300 | Perform confidence checks of HUD systems | 100 |
| G264 | Remove or install waveguides | 100 |
| P423 | Remove or install VHF system LRUs | 100 |
| P422 | Remove or install UHF system LRUs | 100 |
| F201 | Operationally check flight control stick-grip assemblies | 100 |
| F221 | Remove and install LRU lithium batteries | 100 |
| J303 | Remove or install HUD system LRUs | 100 |
| P406 | Isolate malfunctions of secure voice systems | 100 |
| J297 | Operationally check HUD systems | 100 |
| J296 | Operationally check AVTR systems | 100 |
| F203 | Operationally check HSIs | 100 |
| J295 | Isolate malfunctions to HUD pilot display units (PDUs) | 100 |
| P409 | Isolate malfunctions of VHF systems | 100 |
| J302 | Remove or install AVTR system LRUs | 100 |
| F220 | Plug or cap electrical or air lines | 100 |
| P405 | Isolate malfunctions of interphone systems | 100 |
| F187 | Isolate malfunctions to avionics relays or relay matrixes | 100 |
| K312 | Perform BIT on MFDs or CMDIs | 100 |
| P421 | Remove or install UHF antennas | 100 |
| K309 | Operationally check MFDs or CMDIs | 100 |

* Average Number of Tasks Performed - 255

TABLE 35

TASKS WHICH BEST DIFFERENTIATE BETWEEN
ACTIVE DUTY DAFSCs 2A332A AND 2A352A PERSONNEL
(PERCENT MEMBERS PERFORMING)

| TASKS | DAFSC 2A332A N=83 | DAFSC 2A352A N=140 | DIFF |
|---|-------------------------|--------------------------|--------|
| V557 Wash aircraft | 72.29 | 53.57 | 18.72 |
| R446 Isolate malfunctions of interference blanker systems | 10.84 | 55.71 | -44.87 |
| B84 Conduct OJT | 13.25 | 53.57 | -40.32 |
| R457 Remove or install interference blankers | 14.46 | 54.29 | -39.83 |
| P403 Isolate malfunctions of engine warning control units (EWCUs) or Voice Message Units (VMUs) | 12.05 | 50.00 | -37.95 |
| R448 Operate integrated avionics systems for RTWS troubleshooting | 22.89 | 57.86 | -34.97 |
| R458 Remove or install RTWS LRUs | 25.30 | 60.00 | -34.70 |
| R454 Program RTWSs | 16.87 | 51.43 | -34.56 |
| R447 Isolate malfunctions of radar threat warning systems (RTWSs) | 26.51 | 60.71 | -34.21 |
| F243 Remove or install IMSCs | 20.48 | 54.29 | -33.80 |
| M347 Operationally check central air data systems | 26.51 | 60.00 | -33.49 |
| P412 Operationally check HAVE QUICK systems | 14.46 | 47.86 | -33.40 |
| P402 Isolate malfunctions of communication navigational integration (CNI) switches | 20.48 | 53.57 | -33.09 |
| F204 Operationally check IMSCs | 24.10 | 57.14 | -33.05 |
| L322 Isolate malfunctions of flight control power systems | 18.07 | 50.71 | -32.64 |
| C116 Initiate deficiency, service, or status reports, such as RODs or PQDRs | 21.69 | 54.29 | -32.60 |
| P411 Operationally check CNI switches | 20.48 | 52.86 | -32.38 |
| N370 Remove or install fuel quantity indicating system components | 16.87 | 48.57 | -31.70 |
| F182 Isolate malfunctions of instrument mode select couplers (IMSCs) | 24.10 | 55.71 | -31.62 |

TABLE 36

REPRESENTATIVE TASKS PERFORMED BY ALL 2A352B PERSONNEL

| TASKS | | PERCENT MEMBERS PERFORMING (N=170) |
|-------|--|---|
| F171 | Inspect aircraft wiring | 89 |
| F201 | Operationally check flight control stick-grip assemblies | 87 |
| C108 | Access core automated maintenance system (CAMS) menus and data screens | 86 |
| L341 | Remove or install flight control system LRUs | 86 |
| F195 | Operate head up display (HUD) systems for integrated troubleshooting | 86 |
| M347 | Operationally check central air data systems | 86 |
| L323 | Isolate malfunctions of flight control systems | 85 |
| F218 | Perform safety wiring | 85 |
| F170 | Adjust avionic systems minor hardware, such as control knobs | 85 |
| F228 | Remove or install cannon-plug or wafer connectors | 85 |
| F196 | Operate interphone systems to troubleshoot integrated avionics systems | 85 |
| F188 | Isolate malfunctions to defective wiring | 85 |
| M348 | Operationally check pitot-static probe heaters | 85 |
| L338 | Perform flight control systems self-tests or BITs | 84 |
| M349 | Perform leak checks of pitot-static systems | 84 |
| M351 | Remove or install central air data system LRUs | 84 |
| F240 | Remove or install glare shields | 84 |
| F226 | Remove or install avionic systems minor hardware, such as control knobs | 84 |
| F172 | Inspect flightline support equipment | 83 |
| L319 | Isolate malfunctions of air data systems | 83 |
| H267 | Operationally check INSs | 83 |
| F203 | Operationally check HSIs | 83 |
| O385 | Operationally check AOA indicating systems | 83 |
| F242 | Remove or install HSIs | 83 |
| C117 | Initiate or annotate aircraft flight or maintenance records, such as AF Forms 781 series | 82 |
| F190 | Isolate malfunctions to weight-on-wheel switches | 82 |
| L333 | Operationally check flight control power systems | 82 |
| M344 | Isolate malfunctions of central air data computers (CADCs) | 82 |
| F197 | Operationally check ADIs | 82 |
| M352 | Remove or install pitot-static components | 82 |
| F179 | Isolate malfunctions of flight control stick-grip assemblies | 82 |
| F227 | Remove or install avionic systems relays or relay matrixes | 82 |
| M345 | Isolate malfunctions of pitot-static systems | 81 |
| O384 | Operationally check air speed mach indicating systems | 81 |
| O390 | Remove or install altimeters | 81 |
| L329 | Operate flight control systems for integrated avionic systems troubleshooting | 81 |
| F187 | Isolate malfunctions to avionics relays or relay matrixes | 81 |
| H274 | Remove or install INS LRUs | 81 |
| L322 | Isolate malfunctions of flight control power systems | 81 |
| O383 | Operate flight instrument systems for integrated avionic systems | 81 |
| M343 | Isolate malfunctions of air speed mach indicating systems | 81 |
| F223 | Remove or install ADIs | 81 |
| F239 | Remove or install flight control stick-grip assemblies | 81 |
| O392 | Remove or install AOA indicators | 81 |

TABLE 37

REPRESENTATIVE TASKS PERFORMED BY ACTIVE DUTY 2A352B PERSONNEL

| TASKS | | PERCENT MEMBERS PERFORMING (N=112) |
|-------|--|---|
| C108 | Access core automated maintenance system (CAMS) menus and data screens | 93 |
| C117 | Initiate or annotate aircraft flight or maintenance records, such as AF Forms 781 series | 85 |
| F172 | Inspect flightline support equipment | 85 |
| F171 | Inspect aircraft wiring | 85 |
| F201 | Operationally check flight control stick-grip assemblies | 85 |
| L341 | Remove or install flight control system LRUs | 83 |
| L323 | Isolate malfunctions of flight control systems | 83 |
| F228 | Remove or install cannon-plug or wafer connectors | 83 |
| L338 | Perform flight control systems self-tests or BITs | 82 |
| F218 | Perform safety wiring | 82 |
| M347 | Operationally check central air data systems | 82 |
| F179 | Isolate malfunctions of flight control stick-grip assemblies | 82 |
| M349 | Perform leak checks of pitot-static systems | 81 |
| F170 | Adjust avionic systems minor hardware, such as control knobs | 81 |
| M348 | Operationally check pitot-static probe heaters | 81 |
| F203 | Operationally check HSIs | 81 |
| F242 | Remove or install HSIs | 81 |
| F195 | Operate head up display (HUD) systems for integrated troubleshooting | 80 |
| L333 | Operationally check flight control power systems | 80 |
| F188 | Isolate malfunctions to defective wiring | 80 |
| V556 | Walk wings or tails during aircraft towing operations | 80 |
| F240 | Remove or install glare shields | 80 |
| F196 | Operate interphone systems to troubleshoot integrated avionics systems | 80 |
| H267 | Operationally check INSs | 79 |
| L319 | Isolate malfunctions of air data systems | 79 |
| M345 | Isolate malfunctions of pitot-static systems | 79 |
| L322 | Isolate malfunctions of flight control power systems | 79 |
| O384 | Operationally check air speed mach indicating systems | 79 |
| O390 | Remove or install altimeters | 79 |
| M352 | Remove or install pitot-static components | 79 |
| M351 | Remove or install central air data system LRUs | 79 |
| F197 | Operationally check ADIs | 79 |
| O385 | Operationally check AOA indicating systems | 79 |
| F190 | Isolate malfunctions to weight-on-wheel switches | 79 |
| M344 | Isolate malfunctions of central air data computers (CADCs) | 79 |
| M343 | Isolate malfunctions of air speed mach indicating systems | 79 |
| F227 | Remove or install avionic systems relays or relay matrixes | 79 |
| F191 | Isolate malfunctions within attitude direction indicators (ADIs) | 79 |
| F223 | Remove or install ADIs | 79 |
| F226 | Remove or install avionic systems minor hardware, such as control knobs | 79 |
| L329 | Operate flight control systems for integrated avionic systems troubleshooting | 78 |
| F187 | Isolate malfunctions to avionics relays or relay matrixes | 78 |
| L336 | Perform flight control manual trim checks | 78 |
| L337 | Perform flight control stick-grip confidence checks | 78 |

TABLE 38

REPRESENTATIVE TASKS PERFORMED BY ANG 2A352B PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=49) | |
|-------|---|----|
| F171 | Inspect aircraft wiring | 98 |
| F195 | Operate head up display (HUD) systems for integrated troubleshooting | 96 |
| J303 | Remove or install HUD system LRUs | 96 |
| L341 | Remove or install flight control system LRUs | 94 |
| F170 | Adjust avionic systems minor hardware, such as control knobs | 94 |
| F188 | Isolate malfunctions to defective wiring | 94 |
| F196 | Operate interphone systems to troubleshoot integrated avionics systems | 92 |
| F190 | Isolate malfunctions to weight-on-wheel switches | 92 |
| Q424 | Insert mode-4 codes | 92 |
| F218 | Perform safety wiring | 92 |
| L323 | Isolate malfunctions of flight control systems | 92 |
| L319 | Isolate malfunctions of air data systems | 92 |
| M351 | Remove or install central air data system LRUs | 92 |
| G259 | Operate FCR for operational checks or troubleshooting of other systems | 92 |
| M344 | Isolate malfunctions of central air data computers (CADCs) | 92 |
| N353 | Calibrate fuel quantity indicating systems | 92 |
| F226 | Remove or install avionic systems minor hardware, such as control knobs | 92 |
| M347 | Operationally check central air data systems | 92 |
| L333 | Operationally check flight control power systems | 90 |
| F240 | Remove or install glare shields | 90 |
| L335 | Operationally check seat data recorders | 90 |
| M349 | Perform leak checks of pitot-static systems | 90 |
| F187 | Isolate malfunctions to avionics relays or relay matrixes | 90 |
| F220 | Plug or cap electrical or air lines | 90 |
| H267 | Operationally check INSs | 90 |
| N363 | Operationally check fuel quantity indicating systems | 90 |
| M348 | Operationally check pitot-static probe heaters | 90 |
| F197 | Operationally check ADIs | 90 |
| J302 | Remove or install AVTR system LRUs | 90 |
| L325 | Isolate malfunctions of seat data recorders | 90 |
| O385 | Operationally check AOA indicating systems | 90 |
| N356 | Isolate malfunctions of fuel quantity indicating systems | 90 |
| F203 | Operationally check HSIs | 90 |
| O383 | Operate flight instrument systems for integrated avionic systems | 90 |
| F201 | Operationally check flight control stick-grip assemblies | 90 |
| O378 | Isolate malfunctions of AOA indicating systems | 90 |
| O392 | Remove or install AOA indicators | 90 |
| F209 | Operationally check weight-on-wheel switches | 88 |
| J297 | Operationally check HUD systems | 88 |
| F205 | Operationally check panel lighting | 88 |
| H274 | Remove or install INS LRUs | 88 |
| O384 | Operationally check air speed mach indicating systems | 88 |
| M352 | Remove or install pitot-static components | 88 |
| N364 | Operationally check hydraulic pressure indicating systems | 88 |

* Average Number of Tasks Performed - 232

TABLE 39

REPRESENTATIVE TASKS PERFORMED BY AFRES 2A352B PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=9) |
|--|---|
| F171 Inspect aircraft wiring | 100 |
| F228 Remove or install cannon-plug or wafer connectors | 100 |
| F220 Plug or cap electrical or air lines | 100 |
| F196 Operate interphone systems to troubleshoot integrated avionics systems | 100 |
| F219 Perform TCTO modifications | 100 |
| V524 Position or remove aircraft chocks | 100 |
| F195 Operate head up display (HUD) systems for integrated troubleshooting | 100 |
| J296 Operationally check AVTR systems | 100 |
| L338 Perform flight control systems self-tests or BITs | 100 |
| J297 Operationally check HUD systems | 100 |
| M351 Remove or install central air data system LRUs | 100 |
| F172 Inspect flightline support equipment | 100 |
| F208 Operationally check UFCs | 100 |
| M347 Operationally check central air data systems | 100 |
| M348 Operationally check pitot-static probe heaters | 100 |
| N363 Operationally check fuel quantity indicating systems | 100 |
| F201 Operationally check flight control stick-grip assemblies | 100 |
| N362 Operationally check fuel flow indicating systems | 100 |
| P417 Operationally check VHF systems | 100 |
| F251 Remove or install UFC LRUs | 100 |
| L329 Operate flight control systems for integrated avionic systems troubleshooting | 100 |
| P416 Operationally check UHF systems | 100 |
| F207 Operationally check throttle grip assemblies | 100 |
| F225 Remove or install avionic power panels | 100 |
| F226 Remove or install avionic systems minor hardware, such as control knobs | 100 |
| F218 Perform safety wiring | 89 |
| V508 Launch or recover aircraft | 89 |
| V523 Position nonpowered or powered aerospace ground equipment (AGE) | 89 |
| Q424 Insert mode-4 codes | 89 |
| F194 Load and verify line replaceable units (LRUs) with memory loader verifiers (MLVs) | 89 |
| R456 Remove or install ECM pods, pylons, or controls | 89 |
| L341 Remove or install flight control system LRUs | 89 |
| G263 Remove or install FCR system LRUs | 89 |
| F205 Operationally check panel lighting | 89 |
| M349 Perform leak checks of pitot-static systems | 89 |
| Q433 Operationally check IFF systems | 89 |
| R450 Operationally check external ECM pod systems | 89 |
| Q440 Remove or install IFF system LRUs | 89 |
| Q436 Perform BIT on IFF systems | 89 |
| H267 Operationally check INSs | 89 |
| F215 Perform BIT on UFCs | 89 |
| G257 Isolate malfunctions to FCR system LRUs | 89 |
| F191 Isolate malfunctions within attitude direction indicators (ADIs) | 89 |
| K312 Perform BIT on MFDs or CMDIs | 89 |

* Average Number of Tasks Performed - 247

TABLE 40

TASKS WHICH BEST DIFFERENTIATE BETWEEN
ACTIVE DUTY DAFSCs 2A332B AND 2A352B PERSONNEL
(PERCENT MEMBERS PERFORMING)

| TASKS | DAFSC 2A332B N=32 | DAFSC 2A352B N=112 | DIFF |
|---|-------------------------|--------------------------|--------|
| F238 Remove or install fire control navigation panels (FCNPs) | 37.50 | 16.07 | 21.43 |
| J301 Perform integration checks of HUD systems | 21.88 | 65.18 | -43.30 |
| J292 Interpret BIT results on HUD systems, other than CTVSs | 15.62 | 56.25 | -40.62 |
| A72 Supervise military personnel | .00 | 37.50 | -37.50 |
| B84 Conduct OJT | 15.62 | 51.79 | -36.16 |
| C125 Update maintenance data collection (MDC) data in CAMS | 6.25 | 41.07 | -34.82 |
| F243 Remove or install IMSCs | 15.62 | 49.11 | -33.48 |
| J300 Perform confidence checks of HUD systems | 21.88 | 53.57 | -31.70 |
| R447 Isolate malfunctions of radar threat warning systems (RTWSs) | 28.12 | 58.93 | -30.80 |
| P414 Operationally check intercommunication systems | 37.50 | 66.96 | -29.46 |
| Q431 Isolate malfunctions of TACAN systems | 31.25 | 60.71 | -29.46 |
| J294 Isolate malfunctions to CTVSs | 15.62 | 44.64 | -29.02 |
| G261 Perform FCR integration checks | 21.88 | 50.89 | -29.02 |
| B86 Counsel trainees on training progress | .00 | 28.57 | -28.57 |
| Q428 Isolate malfunctions of IFF systems | 34.38 | 62.50 | -28.12 |
| F204 Operationally check IMSCs | 21.88 | 50.00 | -28.12 |
| F210 Perform BIT of DTE LRUs | 28.12 | 56.25 | -28.12 |
| F175 Interpret BIT results on up-front controls (UFCs) | 43.75 | 71.43 | -27.68 |
| G257 Isolate malfunctions to FCR system LRUs | 40.62 | 67.86 | -27.23 |

TABLE 41

REPRESENTATIVE TASKS PERFORMED BY ALL 2A352C PERSONNEL

| TASKS | | PERCENT MEMBERS PERFORMING (N=230) |
|-------|--|---|
| P416 | Operationally check UHF systems | 87 |
| P422 | Remove or install UHF system LRUs | 86 |
| Q435 | Operationally check TACAN systems | 85 |
| Q433 | Operationally check IFF systems | 85 |
| F196 | Operate interphone systems to troubleshoot integrated avionics systems | 85 |
| P421 | Remove or install UHF antennas | 85 |
| Q440 | Remove or install IFF system LRUs | 85 |
| Q424 | Insert mode-4 codes | 84 |
| P414 | Operationally check intercommunication systems | 84 |
| Q443 | Remove or install TACAN system LRUs | 84 |
| P417 | Operationally check VHF systems | 83 |
| P408 | Isolate malfunctions of UHF systems | 82 |
| Q434 | Operationally check ILS systems | 82 |
| R458 | Remove or install RTWS LRUs | 82 |
| P420 | Remove or install secure voice system LRUs | 82 |
| F171 | Inspect aircraft wiring | 82 |
| F170 | Adjust avionic systems minor hardware, such as control knobs | 82 |
| F195 | Operate head up display (HUD) systems for integrated troubleshooting | 82 |
| Q436 | Perform BIT on IFF systems | 81 |
| P419 | Remove or install intercommunication system LRUs | 81 |
| P415 | Operationally check secure voice systems | 81 |
| P423 | Remove or install VHF system LRUs | 81 |
| Q428 | Isolate malfunctions of IFF systems | 81 |
| P400 | Insert codes into secure voice units | 80 |
| P407 | Isolate malfunctions of UHF antennas | 80 |
| Q438 | Perform BIT on TACAN systems | 80 |
| F218 | Perform safety wiring | 80 |
| F226 | Remove or install avionic systems minor hardware, such as control knobs | 80 |
| P409 | Isolate malfunctions of VHF systems | 80 |
| P405 | Isolate malfunctions of interphone systems | 80 |
| H267 | Operationally check INSs | 80 |
| F203 | Operationally check HSIs | 80 |
| Q431 | Isolate malfunctions of TACAN systems | 79 |
| H274 | Remove or install INS LRUs | 79 |
| R451 | Operationally check RTWSs | 78 |
| R447 | Isolate malfunctions of radar threat warning systems (RTWSs) | 78 |
| P399 | Change ultrahigh frequency (UHF) or very-high frequency (VHF) radio preset frequencies | 78 |
| R444 | Isolate malfunctions of chaff-/flare dispenser systems (CFDSs) | 78 |
| P410 | Load HAVE QUICK frequencies | 78 |
| F180 | Isolate malfunctions of horizontal situational indicators (HSIs) | 78 |
| F194 | Load and verify line replaceable units (LRUs) with memory loader verifiers (MLVs) | 77 |
| Q441 | Remove or install ILS system LRUs | 77 |

* Average Number of Tasks Performed - 187

TABLE 42

REPRESENTATIVE TASKS PERFORMED BY ACTIVE DUTY 2A352C PERSONNEL

| TASKS | | PERCENT MEMBERS PERFORMING (N=138) |
|-------|---|---|
| Q443 | Remove or install TACAN system LRUs | 81 |
| P416 | Operationally check UHF systems | 80 |
| Q433 | Operationally check IFF systems | 80 |
| F218 | Perform safety wiring | 80 |
| Q440 | Remove or install IFF system LRUs | 80 |
| Q435 | Operationally check TACAN systems | 80 |
| F196 | Operate interphone systems to troubleshoot integrated avionics systems | 80 |
| P422 | Remove or install UHF system LRUs | 80 |
| P421 | Remove or install UHF antennas | 80 |
| Q438 | Perform BIT on TACAN systems | 80 |
| C108 | Access core automated maintenance system (CAMS) menus and data screens | 79 |
| P414 | Operationally check intercommunication systems | 79 |
| F208 | Operationally check UFCs | 79 |
| F203 | Operationally check HSIs | 79 |
| Q424 | Insert mode-4 codes | 78 |
| P420 | Remove or install secure voice system LRUs | 78 |
| F215 | Perform BIT on UFCs | 78 |
| R458 | Remove or install RTWS LRUs | 78 |
| Q436 | Perform BIT on IFF systems | 78 |
| F171 | Inspect aircraft wiring | 78 |
| H274 | Remove or install INS LRUs | 78 |
| Q434 | Operationally check ILS systems | 78 |
| F180 | Isolate malfunctions of horizontal situational indicators (HSIs) | 78 |
| F242 | Remove or install HSIs | 78 |
| F194 | Load and verify line replaceable units (LRUs) with memory loader verifiers (MLVs) | 77 |
| F195 | Operate head up display (HUD) systems for integrated troubleshooting | 77 |
| F170 | Adjust avionic systems minor hardware, such as control knobs | 77 |
| F240 | Remove or install glare shields | 77 |
| R451 | Operationally check RTWSs | 76 |
| P408 | Isolate malfunctions of UHF systems | 76 |
| I280 | Operate FCCs or GACs for integrated avionic systems | 76 |
| Q428 | Isolate malfunctions of IFF systems | 76 |
| H267 | Operationally check INSs | 76 |
| P419 | Remove or install intercommunication system LRUs | 76 |
| P405 | Isolate malfunctions of interphone systems | 76 |
| F226 | Remove or install avionic systems minor hardware, such as control knobs | 76 |
| P400 | Insert codes into secure voice units | 75 |
| R447 | Isolate malfunctions of radar threat warning systems (RTWSs) | 75 |
| P417 | Operationally check VHF systems | 75 |
| G263 | Remove or install FCR system LRUs | 75 |
| F228 | Remove or install cannon-plug or wafer connectors | 75 |
| F186 | Isolate malfunctions of UFCs | 75 |
| F223 | Remove or install ADIs | 75 |
| P423 | Remove or install VHF system LRUs | 75 |

* Average Number of Tasks Performed - 191

TABLE 43

REPRESENTATIVE TASKS PERFORMED BY ANG 2A352C PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=81) |
|---|--|
| P416 Operationally check UHF systems | 95 |
| P422 Remove or install UHF system LRUs | 95 |
| Q424 Insert mode-4 codes | 94 |
| P417 Operationally check VHF systems | 94 |
| P421 Remove or install UHF antennas | 94 |
| P408 Isolate malfunctions of UHF systems | 93 |
| P415 Operationally check secure voice systems | 93 |
| P414 Operationally check intercommunication systems | 93 |
| Q440 Remove or install IFF system LRUs | 93 |
| Q435 Operationally check TACAN systems | 93 |
| F196 Operate interphone systems to troubleshoot integrated avionics systems | 91 |
| Q433 Operationally check IFF systems | 91 |
| P409 Isolate malfunctions of VHF systems | 91 |
| F195 Operate head up display (HUD) systems for integrated troubleshooting | 91 |
| R444 Isolate malfunctions of chaff-/flare dispenser systems (CFDSs) | 90 |
| P423 Remove or install VHF system LRUs | 90 |
| F170 Adjust avionic systems minor hardware, such as control knobs | 90 |
| P419 Remove or install intercommunication system LRUs | 89 |
| P407 Isolate malfunctions of UHF antennas | 89 |
| Q428 Isolate malfunctions of IFF systems | 89 |
| Q434 Operationally check ILS systems | 89 |
| F226 Remove or install avionic systems minor hardware, such as control knobs | 89 |
| P400 Insert codes into secure voice units | 88 |
| R458 Remove or install RTWS LRUs | 88 |
| P410 Load HAVE QUICK frequencies | 88 |
| P412 Operationally check HAVE QUICK systems | 88 |
| P420 Remove or install secure voice system LRUs | 88 |
| F171 Inspect aircraft wiring | 88 |
| Q443 Remove or install TACAN system LRUs | 88 |
| Q436 Perform BIT on IFF systems | 86 |
| Q431 Isolate malfunctions of TACAN systems | 86 |
| P406 Isolate malfunctions of secure voice systems | 85 |
| P405 Isolate malfunctions of interphone systems | 85 |
| F205 Operationally check panel lighting | 85 |
| H267 Operationally check INSS | 85 |
| R447 Isolate malfunctions of radar threat warning systems (RTWSs) | 84 |
| P399 Change ultrahigh frequency (UHF) or very-high frequency (VHF) radio preset frequencies | 84 |
| Q425 Interpret BIT results on air-to-air identification friend or foe (IFF) systems | 83 |
| Q441 Remove or install ILS system LRUs | 83 |
| R451 Operationally check RTWSs | 81 |
| F221 Remove and install LRU lithium batteries | 81 |
| R448 Operate integrated avionic systems for RTWS troubleshooting | 80 |
| Q438 Perform BIT on TACAN systems | 80 |

* Average Number of Tasks Performed - 179

TABLE 44

REPRESENTATIVE TASKS PERFORMED BY AFRES 2A352C PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=11) |
|---|--|
| P399 Change ultrahigh frequency (UHF) or very-high frequency (VHF) radio preset frequencies | 100 |
| P416 Operationally check UHF systems | 100 |
| P417 Operationally check VHF systems | 100 |
| Q424 Insert mode-4 codes | 91 |
| P400 Insert codes into secure voice units | 91 |
| F188 Isolate malfunctions to defective wiring | 91 |
| P422 Remove or install UHF system LRUs | 91 |
| P423 Remove or install VHF system LRUs | 91 |
| Q433 Operationally check IFF systems | 91 |
| P414 Operationally check intercommunication systems | 91 |
| P419 Remove or install intercommunication system LRUs | 91 |
| C117 Initiate or annotate aircraft flight or maintenance records, such as AF Forms 781 series | 91 |
| F171 Inspect aircraft wiring | 91 |
| F196 Operate interphone systems to troubleshoot integrated avionics systems | 91 |
| G263 Remove or install FCR system LRUs | 91 |
| Q436 Perform BIT on IFF systems | 91 |
| R458 Remove or install RTWS LRUs | 91 |
| H274 Remove or install INS LRUs | 91 |
| Q443 Remove or install TACAN system LRUs | 91 |
| Q435 Operationally check TACAN systems | 91 |
| J303 Remove or install HUD system LRUs | 91 |
| Q441 Remove or install ILS system LRUs | 91 |
| Q434 Operationally check ILS systems | 91 |
| P415 Operationally check secure voice systems | 82 |
| P420 Remove or install secure voice system LRUs | 82 |
| F170 Adjust avionic systems minor hardware, such as control knobs | 82 |
| Q425 Interpret BIT results on air-to-air identification friend or foe (IFF) systems | 82 |
| P409 Isolate malfunctions of VHF systems | 82 |
| P408 Isolate malfunctions of UHF systems | 82 |
| R451 Operationally check RTWSs | 82 |
| P412 Operationally check HAVE QUICK systems | 82 |
| R455 Remove or install CFDS LRUs | 82 |
| R444 Isolate malfunctions of chaff-/flare dispenser systems (CFDSs) | 82 |
| R452 Program CFDSs | 82 |
| P411 Operationally check CNI switches | 82 |
| P407 Isolate malfunctions of UHF antennas | 82 |
| G259 Operate FCR for operational checks or troubleshooting of other systems | 82 |
| P421 Remove or install UHF antennas | 82 |
| P405 Isolate malfunctions of interphone systems | 82 |
| Q428 Isolate malfunctions of IFF systems | 82 |
| Q440 Remove or install IFF system LRUs | 82 |
| P402 Isolate malfunctions of communication navigational integration (CNI) switches | 82 |
| Q438 Perform BIT on TACAN systems | 82 |

* Average Number of Tasks Performed - 199

TABLE 45

TASKS WHICH BEST DIFFERENTIATE BETWEEN
ACTIVE DUTY DAFSCs 2A332C AND 2A352C PERSONNEL
(PERCENT MEMBERS PERFORMING)

| TASKS | | DAFSC 2A332C N=73 | DAFSC 2A352C N=138 | DIFF |
|-------|--|-------------------------|--------------------------|--------|
| | | | | |
| Q424 | Insert mode-4 codes | 98.63 | 78.26 | 20.37 |
| P404 | Isolate malfunctions of high frequency (HF) systems | 35.62 | 13.04 | 22.57 |
| M351 | Remove or install central air data system LRUs | 17.81 | 61.59 | -43.79 |
| F239 | Remove or install flight control stick-grip assemblies | 16.44 | 58.70 | -42.26 |
| G257 | Isolate malfunctions to FCR system LRUs | 28.77 | 71.01 | -42.25 |
| L323 | Isolate malfunctions of flight control systems | 15.07 | 55.80 | -40.73 |
| M344 | Isolate malfunctions of central air data computers (CADCs) | 9.59 | 50.00 | -40.41 |
| L333 | Operationally check flight control power systems | 5.48 | 45.65 | -40.17 |
| L325 | Isolate malfunctions of seat data recorders | 2.74 | 42.75 | -40.01 |
| G258 | Isolate malfunctions to FCR waveguide assemblies | 19.18 | 58.70 | -39.52 |
| L338 | Perform flight controls to FCR waveguide assemblies | 24.66 | 63.77 | -39.11 |
| F189 | Isolate malfunctions to global positioning systems (GPSs) | 23.29 | 62.32 | -39.03 |
| L335 | Operationally check seat data recorders | 4.11 | 42.75 | -38.64 |
| N363 | Operationally check fuel quantity indicating systems | 10.96 | 49.28 | -38.32 |
| O391 | Remove or install AOA indexers | 9.59 | 47.83 | -38.24 |
| L322 | Isolate malfunctions of flight control power systems | 6.85 | 44.93 | -38.08 |
| F177 | Isolate malfunctions of data transfer equipment (DTE) | 24.66 | 62.32 | -37.66 |
| N370 | Remove or install fuel quantity indicating system components | 8.22 | 44.93 | -36.71 |
| F249 | Remove or install throttle grip assemblies | 32.88 | 69.57 | -36.69 |

TABLE 46

REPRESENTATIVE TASKS PERFORMED BY ALL 2A372 PERSONNEL

| TASKS | | PERCENT MEMBERS PERFORMING (N=535) |
|-------|--|---|
| C108 | Access core automated maintenance system (CAMS) menus and data screens | 80 |
| C117 | Initiate or annotate aircraft flight or maintenance records, such as AF Forms 781 series | 74 |
| F171 | Inspect aircraft wiring | 71 |
| C122 | Review aircraft flight or maintenance records, such as AF Forms 781 series | 67 |
| C111 | Clear Red-X conditions | 67 |
| A72 | Supervise military personnel | 65 |
| C121 | Retrieve CAMS listings or reports | 65 |
| F196 | Operate interphone systems to troubleshoot integrated avionics systems | 62 |
| F203 | Operationally check HSIs | 61 |
| F188 | Isolate malfunctions to defective wiring | 61 |
| F195 | Operate head up display (HUD) systems for integrated troubleshooting | 61 |
| F170 | Adjust avionic systems minor hardware, such as control knobs | 61 |
| F187 | Isolate malfunctions to avionics relays or relay matrixes | 60 |
| J297 | Operationally check HUD systems | 60 |
| A15 | Determine or establish work assignments or priorities | 60 |
| P416 | Operationally check UHF systems | 60 |
| Q433 | Operationally check IFF systems | 60 |
| H267 | Operationally check INSs | 60 |
| F228 | Remove or install cannon-plug or wafer connectors | 60 |
| F197 | Operationally check ADIs | 60 |
| A59 | Participate in general meetings, such as staff meetings, briefings, conferences, or workshops, other than conducting | 59 |
| F242 | Remove or install HSIs | 59 |
| B84 | Conduct OJT | 59 |
| Q435 | Operationally check TACAN systems | 59 |
| F180 | Isolate malfunctions of horizontal situational indicators (HSIs) | 59 |
| F226 | Remove or install avionic systems minor hardware, such as control knobs | 59 |
| F230 | Remove or install coaxial cables | 59 |
| J303 | Remove or install HUD system LRUs | 59 |
| P422 | Remove or install UHF system LRUs | 59 |
| H266 | Isolate malfunctions to inertial navigation system (INS) LRUs | 58 |
| P414 | Operationally check intercommunication systems | 58 |
| A7 | Conduct self-inspections or self-assessments | 58 |
| F218 | Perform safety wiring | 58 |
| F227 | Remove or install avionic systems relays or relay matrixes | 58 |
| H274 | Remove or install INS LRUs | 58 |
| P421 | Remove or install UHF antennas | 58 |
| Q424 | Insert mode-4 codes | 58 |
| P408 | Isolate malfunctions of UHF systems | 58 |
| J295 | Isolate malfunctions to HUD pilot display units (PDUs) | 58 |
| Q440 | Remove or install IFF system LRUs | 58 |
| Q443 | Remove or install TACAN system LRUs | 58 |
| Q434 | Operationally check ILS systems | 58 |

* Average Number of Tasks Performed - 188

TABLE 47

REPRESENTATIVE TASKS PERFORMED BY ACTIVE DUTY 2A372 PERSONNEL

| TASKS | | PERCENT MEMBERS PERFORMING (N=294) |
|-------|--|---|
| C108 | Access core automated maintenance system (CAMS) menus and data screens | 76 |
| A72 | Supervise military personnel | 74 |
| A12 | Counsel subordinates concerning personal matters | 73 |
| A10 | Conduct supervisory performance feedback sessions | 70 |
| A15 | Determine or establish work assignments or priorities | 70 |
| A44 | Evaluate personnel for compliance with performance standards | 68 |
| A59 | Participate in general meetings, such as staff meetings, briefings, conferences, or workshops, other than conducting | 67 |
| C117 | Initiate or annotate aircraft flight or maintenance records, such as AF Forms 781 series | 67 |
| A7 | Conduct self-inspections or self-assessments | 64 |
| C111 | Clear Red-X conditions | 64 |
| A75 | Write performance reports or supervisory appraisals | 63 |
| A76 | Write recommendations for awards or decorations | 63 |
| A55 | Inspect personnel for compliance with military standards | 62 |
| C122 | Review aircraft flight or maintenance records, such as AF Forms 781 series | 61 |
| F171 | Inspect aircraft wiring | 59 |
| B99 | Maintain training records or files | 58 |
| B84 | Conduct OJT | 58 |
| C121 | Retrieve CAMS listings or reports | 57 |
| B86 | Counsel trainees on training progress | 56 |
| A2 | Assign personnel to work areas or duty positions | 56 |
| A18 | Develop or establish work methods or procedures | 55 |
| A9 | Conduct supervisory orientations for newly assigned personnel | 54 |
| B95 | Evaluate progress of trainees | 52 |
| C110 | Analyze CAMS data | 52 |
| A6 | Conduct safety inspections of equipment or facilities | 51 |
| A32 | Establish performance standards for subordinates | 51 |
| B94 | Evaluate personnel to determine training needs | 51 |
| A19 | Develop or establish work schedules | 50 |
| A65 | Plan or schedule work assignments or priorities | 49 |
| F172 | Inspect flightline support equipment | 49 |
| A56 | Interpret policies, directives, or procedures for subordinates | 49 |
| A51 | Initiate actions required due to substandard performance of personnel | 49 |
| A45 | Evaluate personnel for promotion, demotion, reclassification, or special awards | 49 |
| A13 | Determine or establish logistics requirements, such as personnel, equipment, tools, parts, supplies, or workspace | 48 |
| F188 | Isolate malfunctions to defective wiring | 47 |
| F196 | Operate interphone systems to troubleshoot integrated avionics systems | 47 |
| F203 | Operationally check HSIs | 47 |
| F180 | Isolate malfunctions of horizontal situational indicators (HSIs) | 47 |
| A5 | Conduct general meetings, such as staff meetings, briefings, conferences, or workshops | 47 |
| Q433 | Operationally check IFF systems | 46 |
| P416 | Operationally check UHF systems | 46 |

* Average Number of Tasks Performed - 159

TABLE 48

REPRESENTATIVE TASKS PERFORMED BY ANG 2A372 PERSONNEL

| TASKS | | PERCENT MEMBERS PERFORMING (N=226) |
|-------|--|---|
| C108 | Access core automated maintenance system (CAMS) menus and data screens | 85 |
| F171 | Inspect aircraft wiring | 85 |
| C117 | Initiate or annotate aircraft flight or maintenance records, such as AF Forms 781 series | 84 |
| F226 | Remove or install avionic systems minor hardware, such as control knobs | 79 |
| F196 | Operate interphone systems to troubleshoot integrated avionics systems | 78 |
| F195 | Operate head up display (HUD) systems for integrated troubleshooting | 78 |
| F242 | Remove or install HSIs | 78 |
| F203 | Operationally check HSIs | 77 |
| G263 | Remove or install FCR system LRUs | 77 |
| F170 | Adjust avionic systems minor hardware, such as control knobs | 77 |
| F228 | Remove or install cannon-plug or wafer connectors | 77 |
| F187 | Isolate malfunctions to avionics relays or relay matrixes | 77 |
| F230 | Remove or install coaxial cables | 77 |
| H274 | Remove or install INS LRUs | 77 |
| F188 | Isolate malfunctions to defective wiring | 77 |
| Q424 | Insert mode-4 codes | 76 |
| H267 | Operationally check INSs | 76 |
| J297 | Operationally check HUD systems | 76 |
| J303 | Remove or install HUD system LRUs | 76 |
| P416 | Operationally check UHF systems | 76 |
| F219 | Perform TCTO modifications | 76 |
| P422 | Remove or install UHF system LRUs | 76 |
| F227 | Remove or install avionic systems relays or relay matrixes | 76 |
| F197 | Operationally check ADIs | 76 |
| P421 | Remove or install UHF antennas | 76 |
| C121 | Retrieve CAMS listings or reports | 75 |
| Q433 | Operationally check IFF systems | 75 |
| R451 | Operationally check RTWSs | 75 |
| H266 | Isolate malfunctions to inertial navigation system (INS) LRUs | 75 |
| P417 | Operationally check VHF systems | 75 |
| G262 | Pressure test waveguide assemblies | 75 |
| R458 | Remove or install RTWS LRUs | 74 |
| P414 | Operationally check intercommunication systems | 74 |
| F223 | Remove or install ADIs | 74 |
| I280 | Operate FCCs or GACs for integrated avionic systems | 74 |
| G259 | Operate FCR for operational checks or troubleshooting of other systems | 74 |
| H273 | Remove and install INU batteries | 74 |
| P408 | Isolate malfunctions of UHF systems | 74 |
| J295 | Isolate malfunctions to HUD pilot display units (PDUs) | 74 |
| Q435 | Operationally check TACAN systems | 74 |
| G264 | Remove or install waveguides | 74 |
| C122 | Review aircraft flight or maintenance records, such as AF Forms 781 series | 73 |
| I275 | Isolate malfunctions to fire control computers (FCCs) or general avionics computers (GACs) | 73 |

* Average Number of Tasks Performed - 220

TABLE 49

REPRESENTATIVE TASKS PERFORMED BY AFRES 2A372 PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=15) |
|---|--|
| R448 Operate integrated avionic systems for RTWS troubleshooting | 93 |
| Q424 Insert mode-4 codes | 93 |
| R451 Operationally check RTWSs | 93 |
| R449 Operationally check CFDSs | 93 |
| F195 Operate head up display (HUD) systems for integrated troubleshooting | 93 |
| R447 Isolate malfunctions of radar threat warning systems (RTWSs) | 93 |
| R456 Remove or install ECM pods, pylons, or controls | 93 |
| R444 Isolate malfunctions of chaff-/flare dispenser systems (CFDSs) | 93 |
| G263 Remove or install FCR system LRUs | 93 |
| L323 Isolate malfunctions of flight control systems | 93 |
| L335 Operationally check seat data recorders | 93 |
| F208 Operationally check UFCs | 93 |
| F196 Operate interphone systems to troubleshoot integrated avionics systems | 93 |
| H267 Operationally check INSS | 93 |
| R458 Remove or install RTWS LRUs | 93 |
| I280 Operate FCCs or GACs for integrated avionic systems | 93 |
| F172 Inspect flightline support equipment | 93 |
| G259 Operate FCR for operational checks or troubleshooting of other systems | 93 |
| R455 Remove or install CFDS LRUs | 93 |
| G257 Isolate malfunctions to FCR system LRUs | 93 |
| G256 Interpret BIT results on FCR systems | 93 |
| J303 Remove or install HUD system LRUs | 93 |
| J297 Operationally check HUD systems | 93 |
| K309 Operationally check MFDs or CMDIs | 93 |
| I285 Remove or install FCC or GAC system LRUs | 93 |
| J302 Remove or install AVTR system LRUs | 93 |
| N363 Operationally check fuel quantity indicating systems | 93 |
| F194 Load and verify line replaceable units (LRUs) with memory loader verifiers (MLVs) | 93 |
| F177 Isolate malfunctions of data transfer equipment (DTE) | 93 |
| J296 Operationally check AVTR systems | 93 |
| J299 Perform BIT on HUD systems | 93 |
| F180 Isolate malfunctions of horizontal situational indicators (HSIs) | 93 |
| K312 Perform BIT on MFDs or CMDIs | 93 |
| I283 Operationally check FCC or GAC systems | 93 |
| P399 Change ultrahigh frequency (UHF) or very-high frequency (VHF) radio preset frequencies | 93 |
| Q443 Remove or install TACAN system LRUs | 93 |
| F186 Isolate malfunctions of UFCs | 93 |
| Q440 Remove or install IFF system LRUs | 93 |
| Q433 Operationally check IFF systems | 93 |
| F170 Adjust avionic systems minor hardware, such as control knobs | 93 |
| K307 Isolate malfunctions to MFD or CMDI systems | 93 |
| Q435 Operationally check TACAN systems | 93 |
| F240 Remove or install glare shields | 93 |

* Average Number of Tasks Performed - 265

TABLE 50

TASKS WHICH BEST DIFFERENTIATE BETWEEN
ACTIVE DUTY DAFSCs 2A352A AND 2A372 PERSONNEL
(PERCENT MEMBERS PERFORMING)

| TASKS | DAFSC 2A352A (N=140) | DAFSC 2A372 (N=294) | DIFF |
|---|----------------------------|---------------------------|--------|
| F215 Perform BIT on UFCs | 79.29 | 40.48 | 38.81 |
| F249 Remove or install throttle grip assemblies | 80.71 | 41.84 | 38.88 |
| G263 Remove or install FCR system LRUs | 77.86 | 38.78 | 39.08 |
| K309 Operationally check MFDs or CMDIs | 84.29 | 44.56 | 39.73 |
| H274 Remove or install INS LRUs | 82.14 | 42.18 | 39.97 |
| K315 Remove or install MFD or CMDI LRUs | 80.00 | 39.80 | 40.20 |
| F208 Operationally check UFCs | 80.71 | 40.48 | 40.24 |
| K307 Isolate malfunctions to MFD or CMDI systems | 82.86 | 42.52 | 40.34 |
| J303 Remove or install HUD system LRUs | 83.57 | 43.20 | 40.37 |
| V557 Wash aircraft | 53.57 | 10.88 | 42.69 |
| A76 Write recommendations for awards or decorations | 17.86 | 62.59 | -44.73 |
| A15 Determine or establish work assignments or priorities | 25.00 | 69.73 | -44.73 |
| A72 Supervise military personnel | 29.29 | 73.81 | -44.52 |
| A10 Conduct supervisory performance feedback sessions | 28.57 | 70.07 | -41.50 |
| A75 Write performance reports or supervisory appraisals | 22.14 | 62.59 | -40.44 |
| A2 Assign personnel to work areas or duty positions | 15.71 | 55.78 | -40.07 |
| C111 Clear Red-X conditions | 23.57 | 63.61 | -40.03 |
| A19 Develop or establish work schedules | 10.00 | 50.00 | -40.00 |
| A12 Counsel subordinates concerning personal matters | 33.57 | 73.47 | -39.90 |

TABLE 51

TASKS WHICH BEST DIFFERENTIATE BETWEEN
ACTIVE DUTY DAFSCs 2A352B AND 2A372 PERSONNEL
(PERCENT MEMBERS PERFORMING)

| TASKS | DAFSC 2A352B (N=112) | DAFSC 2A372 (N=294) | DIFF |
|---|----------------------------|---------------------------|--------|
| N368 Remove or install FTIT indicators | 71.43 | 31.29 | 40.14 |
| L329 Operate flight control systems for integrated avionic systems troubleshooting | 77.68 | 37.41 | 40.26 |
| O385 Operationally check AOA indicating systems | 79.46 | 38.78 | 40.69 |
| O388 Operationally check rate-of-turn indicating systems | 72.32 | 31.63 | 40.69 |
| M348 Operationally check pitot-static probe heaters | 81.25 | 39.80 | 41.45 |
| L341 Remove or install flight control system LRUs | 83.04 | 41.50 | 41.54 |
| L328 Isolate malfunctions to flight control trim systems | 77.68 | 36.05 | 41.62 |
| F201 Operationally check flight control stick-grip assemblies | 84.82 | 42.86 | 41.96 |
| V508 Launch or recover aircraft | 75.00 | 32.65 | 42.35 |
| V557 Wash aircraft | 53.57 | 10.88 | 42.69 |
| L335 Operationally check seat data recorders | 75.89 | 32.65 | 43.24 |
| A76 Write recommendations for awards or decorations | 16.07 | 62.59 | -46.51 |
| A2 Assign personnel to work areas or duty positions | 9.82 | 55.78 | -45.96 |
| A7 Conduct self-inspections or self-assessments | 18.75 | 63.61 | -44.86 |
| A15 Determine or establish work assignments or priorities | 25.00 | 69.73 | -44.73 |
| A75 Write performance reports or supervisory appraisals | 17.86 | 62.59 | -44.73 |
| A10 Conduct supervisory performance feedback sessions | 25.89 | 70.07 | -44.18 |
| A12 Counsel subordinates concerning personal matters | 29.46 | 73.47 | -44.01 |
| A5 Conduct general meetings, such as staff meetings, briefings, conferences, or workshops | 2.68 | 46.60 | -43.92 |
| A19 Develop or establish work schedules | 7.14 | 50.00 | -42.86 |

TABLE 52

TASKS WHICH BEST DIFFERENTIATE BETWEEN
ACTIVE DUTY DAFSCs 2A352C AND 2A372 PERSONNEL
(PERCENT MEMBERS PERFORMING)

| TASKS | DAFSC 2A352C (N=138) | DAFSC 2A372 (N=294) | DIFF |
|---|----------------------------|---------------------------|--------|
| F186 Isolate malfunctions of UFCs | 75.36 | 41.84 | 33.53 |
| F240 Remove or install glare shields | 76.81 | 43.20 | 33.61 |
| Q426 Interpret BIT results on tactical air navigation (TACAN) systems | 74.64 | 40.82 | 33.82 |
| P399 Change ultrahigh frequency (UHF) or very-high frequency (VHF) radio preset frequencies | 73.19 | 39.12 | 34.07 |
| P414 Operationally check intercommunication systems | 78.99 | 44.90 | 34.09 |
| Q433 Operationally check IFF systems | 80.43 | 46.26 | 34.18 |
| Q435 Operationally check TACAN systems | 80.43 | 46.26 | 34.18 |
| P416 Operationally check UHF systems | 80.43 | 46.26 | 34.18 |
| A44 Evaluate personnel for compliance with performance | 22.46 | 68.37 | -45.90 |
| A59 Participate in general meetings, such as staff meetings, briefings, conferences, or workshops, other than conducting | 22.46 | 67.01 | -44.54 |
| A76 Write recommendations for awards or decorations | 18.84 | 62.59 | -43.74 |
| A65 Plan or schedule work assignments or priorities | 5.80 | 49.32 | -43.52 |
| A55 Inspect personnel for compliance with military standards | 18.12 | 61.56 | -43.45 |
| A19 Develop or establish work schedules | 7.25 | 50.00 | -42.75 |
| A2 Assign personnel to work areas or duty positions | 13.04 | 55.78 | -42.74 |
| A72 Supervise military personnel | 31.16 | 73.81 | -42.65 |
| A10 Conduct supervisory performance feedback sessions | 28.99 | 70.07 | -41.08 |

TRAINING ANALYSIS

Occupational survey data are one of many sources of information which can be used to assist in the development of a training program relevant to the needs of personnel in their first enlistment. Factors which may be used in evaluating training include the overall description of the job being performed by first-enlistment personnel and their overall distribution across career ladder jobs, percentages of first-job (1-24 months TAFMS) or first-enlistment (1-48 months TAFMS) members performing specific tasks, as well as TE and TD ratings (previously explained in the **SURVEY METHODOLOGY** section).

First-Enlistment Personnel

In this study, there are 308 members in their first enlistment (1-48 months TAFMS), representing 23 percent of the total survey sample. Figure 2 reflects the distribution of first-enlistment personnel within the career ladder. Most of their duty time is spent on technical activities. Table 53 displays the relative percent of time spent on duties by first-enlistment personnel. Reviewing the table, it is clearly evident that most first-enlistment personnel are primarily performing tasks under Duty F (Performing General Avionic Maintenance Activities). First-enlistment personnel are evenly utilized across the main areas of the career ladder.

Table 54 lists representative tasks performed by first-enlistment personnel. Most involve general tasks, such as safety wiring, inspections, and operational checks.

Table 55 displays the relative time spent on duties by Mission Ready Technicians (MRTs). MRT defines 1-18 months TAFMS as the first job with the tasks associated with the first job. Table 56 lists representative tasks performed by MRT personnel.

Table 57 lists all of the equipment maintained or operated by 30 percent or more of first-enlistment airmen.

**DISTRIBUTION OF 2A3X2 FIRST-ENLISTMENT PERSONNEL
ACROSS SPECIALTY JOBS
(N=308)**

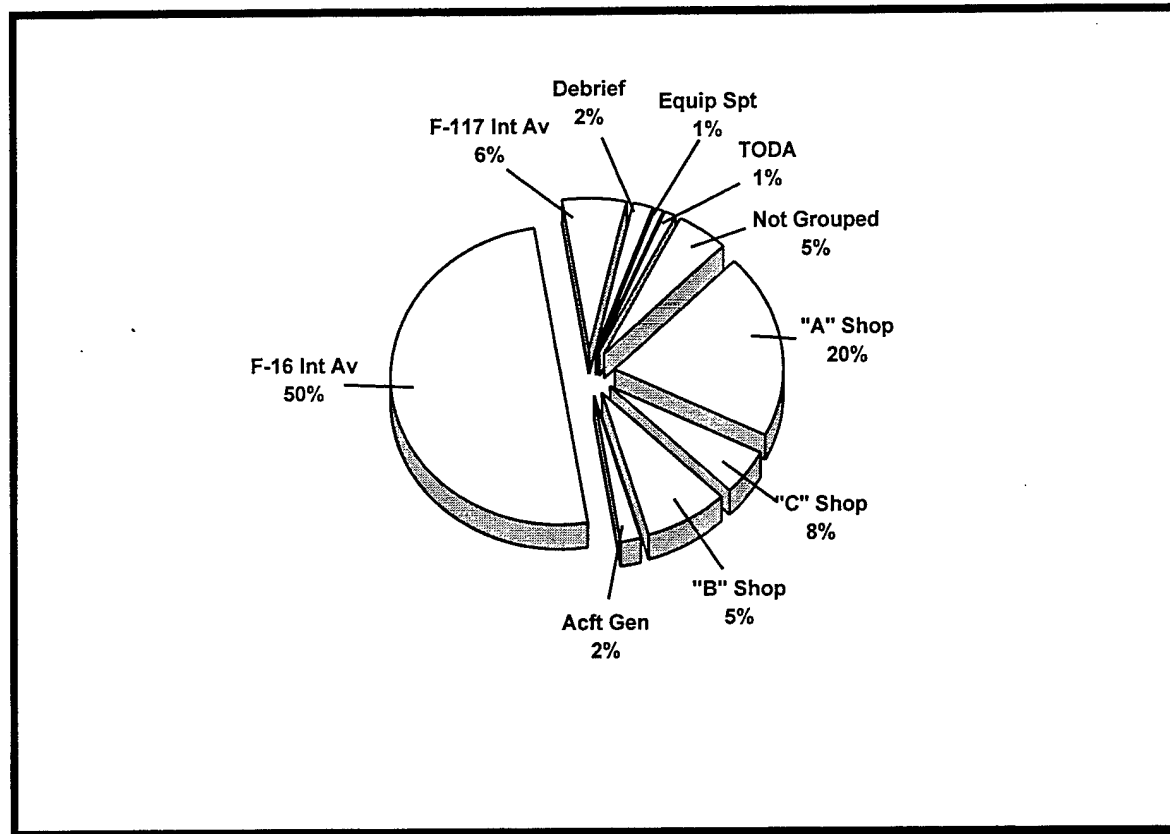


FIGURE 2

TABLE 53

RELATIVE PERCENT TIME SPENT ON DUTIES BY
FIRST-ENLISTMENT PERSONNEL
(N=308)

| DUTIES | PERCENT TIME SPENT |
|--|--------------------------|
| A PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES | 1 |
| B PERFORMING TRAINING ACTIVITIES | * |
| C PERFORMING MAINTENANCE MANAGEMENT ACTIVITIES | 5 |
| D PERFORMING GENERAL ADMINISTRATIVE AND TECHNICAL ORDER SYSTEM ACTIVITIES | 3 |
| E PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES | 3 |
| F PERFORMING GENERAL AVIONIC MAINTENANCE ACTIVITIES | 26 |
| G MAINTAINING FIRE CONTROL RADAR SYSTEMS | 3 |
| H MAINTAINING INERTIAL NAVIGATIONAL SYSTEMS (INSs) | 3 |
| I MAINTAINING FIRE CONTROL COMPUTER OR COMPUTER COMPLEX SYSTEMS | 3 |
| J MAINTAINING HUD AND COCKPIT TELEVISION VIDEO SENSOR (CTVS) SYSTEMS | 5 |
| K MAINTAINING HEAD DOWN DISPLAY SYSTEMS | 3 |
| L MAINTAINING FLIGHT CONTROL SYSTEMS | 4 |
| M MAINTAINING CENTRAL AIR DATA COMPUTER (CADC) SYSTEMS | 2 |
| N MAINTAINING ENGINE AND FUEL INSTRUMENT SYSTEMS | 2 |
| O MAINTAINING FLIGHT INSTRUMENT SYSTEMS | 3 |
| P MAINTAINING COMMUNICATION SYSTEMS | 8 |
| Q MAINTAINING NAVIGATIONAL SYSTEMS | 6 |
| R MAINTAINING PENETRATION AIDS AND ELECTRONIC COUNTERMEASURE SYSTEMS | 4 |
| S MAINTAINING LOW-ALTITUDE NAVIGATION AND TARGETING INFRARED FOR NIGHT (LANTIRN) TARGETING PODS | 2 |
| T MAINTAINING LANTIRN NAVIGATIONAL PODS | 3 |
| U PERFORMING BLOCK-50 ACTIVITIES | 1 |
| V PERFORMING GENERAL AIRCRAFT OR CROSS UTILIZATION TRAINING (CUT) ACTIVITIES | 9 |

TABLE 54

REPRESENTATIVE TASKS PERFORMED BY AFSC 2A3X2
FIRST-ENLISTMENT PERSONNEL
(N=308)

| TASKS | PERCENT MEMBERS PERFORMING | |
|-------|--|----|
| C108 | Access core automated maintenance system (CAMS) menus and data screens | 86 |
| F218 | Perform safety wiring | 86 |
| F171 | Inspect aircraft wiring | 86 |
| V556 | Walk wings or tails during aircraft towing operations | 84 |
| F170 | Adjust avionic systems minor hardware, such as control knobs | 83 |
| F203 | Operationally check HSIs | 83 |
| H267 | Operationally check INSs | 82 |
| F228 | Remove or install cannon-plug or wafer connectors | 82 |
| F196 | Operate interphone systems to troubleshoot integrated avionics systems | 82 |
| H274 | Remove or install INS LRUs | 82 |
| F194 | Load and verify line replaceable units (LRUs) with memory loader verifiers (MLVs) | 81 |
| F240 | Remove or install glare shields | 80 |
| F188 | Isolate malfunctions to defective wiring | 80 |
| F242 | Remove or install HSIs | 79 |
| F208 | Operationally check UFCs | 79 |
| F195 | Operate head up display (HUD) systems for integrated troubleshooting | 79 |
| F172 | Inspect flightline support equipment | 78 |
| F225 | Remove or install avionic power panels | 77 |
| F197 | Operationally check ADIs | 77 |
| J297 | Operationally check HUD systems | 77 |
| J303 | Remove or install HUD system LRUs | 76 |
| F226 | Remove or install avionic systems minor hardware, such as control knobs | 76 |
| J302 | Remove or install AVTR system LRUs | 76 |
| C117 | Initiate or annotate aircraft flight or maintenance records, such as AF Forms 781 series | 76 |
| V524 | Position or remove aircraft chocks | 75 |
| F187 | Isolate malfunctions to avionics relays or relay matrixes | 75 |
| F215 | Perform BIT on UFCs | 75 |
| J296 | Operationally check AVTR systems | 75 |
| Q424 | Insert mode-4 codes | 74 |
| F223 | Remove or install ADIs | 74 |
| H266 | Isolate malfunctions to inertial navigation system (INS) LRUs | 73 |
| F221 | Remove and install LRU lithium batteries | 73 |
| P416 | Operationally check UHF systems | 73 |

*Average Number of Tasks Performed - 164

TABLE 55

RELATIVE PERCENT TIME SPENT ON DUTIES BY AFSC 2A3X2
1-18 MONTHS TAFMS (MRT)
(N=88)

| DUTIES | PERCENT TIME SPENT |
|--|--------------------------|
| A PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES | 1 |
| B PERFORMING TRAINING ACTIVITIES | * |
| C PERFORMING MAINTENANCE MANAGEMENT ACTIVITIES | 4 |
| D PERFORMING GENERAL ADMINISTRATIVE AND TECHNICAL ORDER SYSTEM ACTIVITIES | 1 |
| E PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES | 2 |
| F PERFORMING GENERAL AVIONIC MAINTENANCE ACTIVITIES | 27 |
| G MAINTAINING FIRE CONTROL RADAR SYSTEMS | 4 |
| H MAINTAINING INERTIAL NAVIGATIONAL SYSTEMS (INSs) | 4 |
| I MAINTAINING FIRE CONTROL COMPUTER OR COMPUTER COMPLEX SYSTEMS | 4 |
| J MAINTAINING HUD AND COCKPIT TELEVISION VIDEO SENSOR (CTVS) SYSTEMS | 6 |
| K MAINTAINING HEAD DOWN DISPLAY SYSTEMS | 3 |
| L MAINTAINING FLIGHT CONTROL SYSTEMS | 3 |
| M MAINTAINING CENTRAL AIR DATA COMPUTER (CADC) SYSTEMS | 2 |
| N MAINTAINING ENGINE AND FUEL INSTRUMENT SYSTEMS | 1 |
| O MAINTAINING FLIGHT INSTRUMENT SYSTEMS | 2 |
| P MAINTAINING COMMUNICATION SYSTEMS | 8 |
| Q MAINTAINING NAVIGATIONAL SYSTEMS | 6 |
| R MAINTAINING PENETRATION AIDS AND ELECTRONIC COUNTERMEASURE SYSTEMS | 5 |
| S MAINTAINING LOW-ALTITUDE NAVIGATION AND TARGETING INFRARED FOR NIGHT (LANTIRN) TARGETING PODS | 3 |
| T MAINTAINING LANTIRN NAVIGATIONAL PODS | 4 |
| U PERFORMING BLOCK-50 ACTIVITIES | * |
| V PERFORMING GENERAL AIRCRAFT OR CROSS UTILIZATION TRAINING (CUT) ACTIVITIES | 10 |

TABLE 56

REPRESENTATIVE TASKS PERFORMED BY AFSC 2A3X2
1-18 MONTHS TAFMS (MRT)
(N=88)

| TASKS | PERCENT MEMBERS PERFORMING |
|---|----------------------------------|
| F218 Perform safety wiring | 88 |
| C108 Access core automated maintenance system (CAMS) menus and data screens | 86 |
| V556 Walk wings or tails during aircraft towing operations | 86 |
| V524 Position or remove aircraft chocks | 78 |
| H267 Operationally check INSS | 78 |
| F171 Inspect aircraft wiring | 78 |
| H274 Remove or install INS LRUs | 77 |
| F228 Remove or install cannon-plug or wafer connectors | 77 |
| V508 Launch or recover aircraft | 76 |
| F196 Operate interphone systems to troubleshoot integrated avionics systems | 76 |
| J302 Remove or install AVTR system LRUs | 76 |
| F208 Operationally check UFCs | 76 |
| V557 Wash aircraft | 74 |
| F170 Adjust avionic systems minor hardware, such as control knobs | 74 |
| V535 Remove or install aircraft safety pins or locks | 73 |
| F172 Inspect flightline support equipment | 73 |
| F194 Load and verify line replaceable units (LRUs) with memory loader verifiers (MLVs) | 73 |
| Q424 Insert mode-4 codes | 72 |
| C117 Initiate or annotate aircraft flight or maintenance records, such as AF Forms 781 series | 72 |
| J303 Remove or install HUD system LRUs | 72 |
| F203 Operationally check HSIs | 72 |
| F188 Isolate malfunctions to defective wiring | 72 |
| F225 Remove or install avionic power panels | 71 |
| F195 Operate head up display (HUD) systems for integrated troubleshooting | 70 |
| F240 Remove or install glare shields | 70 |
| J296 Operationally check AVTR systems | 70 |
| V530 Remove or install aircraft doors or panels | 69 |
| F215 Perform BIT on UFCs | 68 |
| J297 Operationally check HUD systems | 68 |
| V523 Position nonpowered or powered aerospace ground equipment (AGE) | 67 |
| F242 Remove or install HSIs | 67 |
| F226 Remove or install avionic systems minor hardware, such as control knobs | 66 |
| F221 Remove and install LRU lithium batteries | 64 |

*Average Number of Tasks Performed - 117

TABLE 57

EQUIPMENT USED OR OPERATED BY 30 PERCENT OR MORE
ACTIVE DUTY FIRST-ENLISTMENT AFSC 2A3X2 PERSONNEL

| EQUIPMENT | 1ST JOB (N=123) | 1ST ENL (N=308) |
|--|--------------------|--------------------|
| MULTIMETERS | 93 | 92 |
| AIR-CONDITIONING UNITS | 89 | 89 |
| HEAT GUNS | 83 | 88 |
| ELECT CONNECTOR AIRCRAFT WIRING REPAIR TOOL KITS | 79 | 82 |
| MEMORY LOADER VERIFIERS (MLVs) | 81 | 82 |
| TEST SETS, IDENTIFICATION FRIEND OR FOE (IFF) | 72 | 76 |
| MLV ADAPTER KITS | 64 | 70 |
| HYDRAULIC TEST STANDS | 64 | 69 |
| TEST SETS, CHAFF/FLARE | 62 | 69 |
| PITOT-STATIC PROBE ADAPTER KITS | 53 | 66 |
| POWER GENERATORS | 54 | 64 |
| TEST SETS, INSTRUMENT LANDING SYSTEM (ILS) | 56 | 62 |
| TESTERS, PITOT-STATIC SYSTEM | 45 | 61 |
| WATT METERS | 47 | 58 |
| DATA TRANSFER CARTRIDGE (DTC) READERS | 54 | 57 |
| ENHANCED DATA TRANSFER TERMINALS (EDTT) | 39 | 57 |
| LOADERS, CENTER-LINE | 56 | 57 |
| TEST SETS, TACTICAL AIR NAVIGATION (TACAN) | 57 | 55 |
| BORESIGHT EQUIPMENT | 31 | 47 |
| CRADLE ADAPTERS, TARGETING POD | 52 | 47 |
| CRADLE ADAPTERS, NAVIGATIONAL POD | 50 | 45 |
| PERSONAL COMPUTER | 28 | 44 |
| TEST SETS, PRESSURIZATION | 37 | 44 |
| NITROGEN SERVICING CARTS | 33 | 41 |
| TEST SETS, FUEL QUANTITY SIMULATOR | 24 | 41 |
| TEST SETS, BEACON TRANSPONDER | 33 | 40 |
| CABLES, EXTENDER | 34 | 36 |
| LOADERS, SCISSOR | 33 | 36 |
| TEST SETS, CAPACITANCE | 18 | 35 |
| DIGITAL COMPUTER SYSTEMS (DCS) | 22 | 34 |
| MUXBUS ANALYZERS | 27 | 34 |
| TEST SETS, DIRECT CURRENT (DC) FUEL QUANTITY | 16 | 32 |
| REFLECTOMETERS | 14 | 30 |
| FLIGHT CONTROL SELF-TEST TESTER/WORD READERS | 36 | 28 |

TABLE 58

FORMS USED BY 30 PERCENT OR MORE
ACTIVE DUTY FIRST-ENLISTMENT AFSC 2A3X2 PERSONNEL

| FORMS | 1ST JOB (N=123) | 1ST ENL (N=308) |
|---|--------------------|--------------------|
| AF FORM 2005 (ISSUE/TURN-IN REQUEST) | 71 | 70 |
| AFTO FORM 22 (TECHNICAL ORDER IMPROVEMENT REPORT AND REPLY) | 28 | 35 |
| AFTO FORM 349 (MAINTENANCE DATA COLLECTION RECORD) | 17 | 31 |
| AFTO FORM 350 (REPAIRABLE ITEM PROCESSING TAG) | 87 | 83 |
| AFTO FORM 781A (MAINTENANCE DISCREPANCY AND WORK DOCUMENT) | 88 | 89 |
| AFTO FORM 781 H (AEROSPACE VEHICLE FLIGHT STATUS & MAINT DOCUMENT) | 33 | 40 |
| AFTO FORM 781 K (AEROSPACE VEHICLE INSPECTION, ENGINE DATA, CALIBRATION ITEM, AND DAILY DISCREPANCY DOCUMENT) | 76 | 77 |
| DD FORM 1574 (SERVICEABLE TAG-MATERIEL) | 94 | 90 |
| DD FORM 1577 (UNSERVICEABLE (CONDEMNED) TAG- MATERIEL) | 85 | 81 |
| DD FORM 1577-2 (UNSERVICEABLE (REPAIRABLE) TAG- MATERIEL) | 91 | 86 |

Training Emphasis (TE) and Task Difficulty (TD) Data

TE and TD data are secondary factors that can assist technical school personnel in deciding which tasks should be emphasized in entry-level training. These ratings, based on the judgments of senior career ladder NCOs working at operational units in the field, are collected to provide training personnel with a rank-ordering of those tasks in the JI considered important for first-enlistment personnel training (see Table 59 for the top-rated tasks), along with a measure of the difficulty of the JI tasks (see selected high rated tasks presented in Tables 60-61). When combined with data on the percentages of first-enlistment personnel performing tasks, comparisons can then be made to determine if training adjustments are necessary. For example, tasks receiving high ratings on both task factors, accompanied by moderate to high percentages performing, may warrant resident training. Those tasks receiving high task factor ratings, but low percentages performing, may be more appropriately planned for OJT programs within the career ladder. Low task factor ratings may highlight tasks best omitted from training for first-enlistment personnel, but this decision must be weighed against percentages of personnel performing the tasks, command concerns, and criticality of the tasks.

Table 59 presents tasks with the highest TE ratings for AFSC 2A3X2 first-enlistment airmen, while Tables 60-61 display those tasks AFSC 2A3X2 raters judged to be most difficult to learn how to do. For example, TE raters (refer to Table 59) reported that tasks such as operationally checking INSs and ADIs require a lot of training emphasis and, from the data, most airmen in their first job and within their first enlistment are performing these tasks. Tables 60-61 show TD raters reported boresighting Navigational (NAV) pod hardpoints and Targeting (TGT) pod hardpoints to be among the most difficult tasks to learn. However, due to the low numbers of individuals performing these types of tasks, these tasks would be inappropriate for including in a technical resident curriculum and are more appropriately taught as an OJT item.

Various lists of tasks, accompanied by TE and TD ratings, and where appropriate, Automated Training Indicator (ATI) information, are contained in the TRAINING EXTRACT package and should be reviewed in detail by technical school personnel. (For a more detailed explanation of TE and TD ratings, see Task Factor Administration in the **SURVEY METHODOLOGY** section of this report.).

TABLE 59

TASKS RATED HIGHEST IN TRAINING EMPHASIS

| TASKS | TNG EMP* | PERCENT MEMBERS PERFORMING | | TASK DIFF** |
|-------|-------------|----------------------------------|----------------------|----------------|
| | | 1ST JOB (N= 160) | 1ST ENL (N = 321) | |
| H267 | 6.10 | 79 | 82 | 4.71 |
| F197 | 6.05 | 67 | 77 | 3.97 |
| M349 | 5.99 | 41 | 52 | 5.82 |
| F203 | 5.95 | 77 | 83 | 4.10 |
| C117 | 5.95 | 74 | 76 | 4.31 |
| R451 | 5.93 | 50 | 57 | 4.91 |
| F198 | 5.90 | 45 | 58 | 4.91 |
| P416 | 5.90 | 70 | 73 | 4.43 |
| P417 | 5.89 | 59 | 63 | 4.47 |
| N363 | 5.89 | 20 | 37 | 4.87 |
| F171 | 5.87 | 81 | 86 | 5.05 |
| G259 | 5.86 | 60 | 68 | 5.39 |
| F201 | 5.84 | 41 | 58 | 4.63 |
| G256 | 5.83 | 54 | 63 | 5.46 |
| Q433 | 5.81 | 58 | 63 | 4.39 |
| P412 | 5.80 | 32 | 44 | 5.40 |
| I280 | 5.77 | 59 | 68 | 4.78 |
| L338 | 5.75 | 41 | 56 | 4.98 |
| M347 | 5.75 | 24 | 42 | 5.30 |
| F236 | 5.73 | 43 | 59 | 5.77 |
| L333 | 5.71 | 17 | 36 | 5.18 |
| P414 | 5.70 | 50 | 61 | 4.21 |

* Mean TE Rating is 2.98, and Standard Deviation is 1.97 (High TE =4.95)

** Average TD Rating is 6.00

TABLE 60

TASKS RATED HIGHEST IN TASK DIFFICULTY
(FIRST JOB, FIRST ENLISTMENT, AND 3-SKILL LEVEL)

| TASKS | TASK DIFF | 1ST JOB (N=123) | 1ST ENL (N=308) | PERCENT MEMBERS PERFORMING | | |
|-------|--------------|--------------------|--------------------|----------------------------|-------------------------|-------------------------|
| | | | | 3A-SKL LVL (N=83) | 3B-SKL LVL (N=32) | 3C-SKL LVL (N=73) |
| G255 | 7.97 | 27 | 35 | 49 | 28 | 7 |
| J289 | 7.73 | 28 | 35 | 53 | 19 | 10 |
| T472 | 7.71 | 15 | 17 | 48 | 25 | 12 |
| H265 | 7.68 | 24 | 36 | 48 | 25 | 12 |
| S459 | 7.53 | 15 | 18 | 14 | 24 | 9 |
| F188 | 7.36 | 69 | 80 | 81 | 78 | 62 |
| F224 | 7.34 | 51 | 63 | 59 | 66 | 51 |
| I276 | 7.22 | 38 | 49 | 61 | 47 | 22 |
| F187 | 7.21 | 58 | 75 | 77 | 78 | 49 |
| L317 | 7.20 | 7 | 20 | 12 | 44 | 3 |
| L318 | 6.98 | 22 | 34 | 28 | 66 | 11 |
| L319 | 6.86 | 28 | 44 | 31 | 88 | 18 |
| L323 | 6.84 | 35 | 48 | 40 | 88 | 15 |
| F253 | 6.81 | 21 | 44 | 23 | 84 | 19 |
| P401 | 6.72 | 31 | 44 | 20 | 25 | 62 |
| L322 | 6.67 | 16 | 33 | 18 | 72 | 7 |

Average TD Rating is 6.00

TABLE 61

TASKS RATED HIGHEST IN TASK DIFFICULTY
(5-SKILL LEVEL AND 7-SKILL LEVEL)

| TASKS | TASK DIFF* | PERCENT MEMBERS PERFORMING | | | | | |
|---|---------------|----------------------------|--------------------------|--------------------------|-------------------------|--|--|
| | | 5A-SKL LVL (N=140) | 5B-SKL LVL (N=112) | 5C-SKL LVL (N=138) | 7-SKL LVL (N=294) | | |
| G255 Boresight fire control radar (FCR) antennas | 7.97 | 59 | 32 | 37 | 25 | | |
| J289 Boresight HUD systems | 7.73 | 57 | 29 | 33 | 26 | | |
| T472 Boresight navigational (NAV) pod hardpoints | 7.71 | 24 | 13 | 14 | 11 | | |
| H265 Boresight inertial navigational unit (INU) mounts | 7.68 | 57 | 32 | 35 | 25 | | |
| S459 Boresight targeting (TGT) pod hardpoints | 7.53 | 26 | 14 | 14 | 12 | | |
| F188 Isolate malfunctions to defective wiring | 7.36 | 80 | 80 | 72 | 47 | | |
| F224 Remove or install aircraft harnesses | 7.34 | 70 | 68 | 64 | 38 | | |
| I276 Isolate malfunctions to multiplex busses (MUXBUSs) | 7.22 | 69 | 62 | 51 | 41 | | |
| F187 Isolate malfunctions to avionics relays or relay matrixes | 7.21 | 81 | 78 | 72 | 46 | | |
| L317 Boresight angle-of-attack (AOA) transmitters | 7.20 | 38 | 47 | 22 | 26 | | |
| L318 Interpret digital flight control system (DFLCS) memory codes | 6.98 | 42 | 54 | 46 | 31 | | |
| L319 Isolate malfunctions of air data systems | 6.86 | 60 | 79 | 50 | 41 | | |
| L323 Isolate malfunctions of flight control systems | 6.84 | 60 | 83 | 56 | 45 | | |
| F253 Remove or install weight-on-wheel switches | 6.81 | 54 | 77 | 50 | 38 | | |
| P401 Isolate malfunctions of communication matrixes | 6.72 | 51 | 52 | 67 | 39 | | |
| L322 Isolate malfunctions of flight control power systems | 6.67 | 51 | 79 | 45 | 44 | | |

* Average TD Rating is 6.00

Specialty Training Standard (STS)

A comprehensive review of STS 2A3X2, dated June 1996, compared STS items to survey data (based on the previously mentioned assistance from SMEs in matching JI tasks to STS elements). STS paragraphs containing general knowledge information, mandatory entries, subject-matter-knowledge-only requirements, or basic supervisory responsibilities were not examined. Task knowledge and performance elements of the STS were compared against the standard set forth in AETCI 36-2601 and AFI 36-2623 (i.e., include tasks performed or knowledge required by 20 percent or more of the personnel in a skill level (criterion group) of the AFS).

Overall, the STS provides very comprehensive coverage of the work performed by personnel in this career ladder, with survey data supporting all of the essential paragraphs or subparagraphs. Even though some elements did not have high percentages of personnel performing matched tasks, the fact that the supporting tasks were a part of an identifiable job being performed by a specific shred within the career ladder supports the retention of the STS element involving those tasks.

Tasks not matched to any element of the STS are listed at the end of the STS computer listing. These were reviewed to determine if there were any tasks concentrated around any particular functions or jobs. The few tasks that require review pertain to special mission activities. Those technical tasks performed by 20 percent or more respondents of the STS target groups, but which were not referenced to any STS element, are displayed in Table 62. Training personnel and SMEs should consider these unreferenced tasks to determine if inclusion in the STS is justified.

TABLE 62

EXAMPLES OF TECHNICAL TASKS PERFORMED BY 20 PERCENT OR MORE
GROUP MEMBERS AND NOT REFERENCED TO THE STS

| TASKS | PERCENT MEMBERS PERFORMING | | | | | | | | TNG EMP | TASK DIFF | ATI |
|-------|--|-----------------------|-------------------------|-------------------------|------------------------|----|------|------|------------|--------------|-----|
| | 1ST JOB (N=123) | 1ST ENL (N=308) | 3A-SKL LVL (N=83) | 3B-SKL LVL (N=32) | 3CSKL LVL (N=73) | | | | | | |
| | | | | | | | | | | | |
| F194 | Load and verify line replaceable units (LRUs) with memory loader verifiers (MLVs) | 77 | 81 | 78 | 78 | 82 | 5.67 | 5.23 | 18 | | |
| F195 | Operate head up display (HUD) systems for integrated troubleshooting | 72 | 79 | 93 | 66 | 56 | 5.63 | 4.88 | 18 | | |
| I280 | Operate FCCs or GACs for integrated avionics systems | 59 | 68 | 80 | 53 | 42 | 5.77 | 4.78 | 18 | | |
| I279 | Load and verify canopy or correction coefficients | 57 | 64 | 76 | 53 | 37 | 5.40 | 4.08 | 18 | | |
| J300 | Perform confidence checks of HUD systems | 44 | 50 | 72 | 22 | 27 | 4.95 | 5.27 | 18 | | |
| J301 | Perform integration checks of HUD systems | 36 | 51 | 64 | 22 | 25 | 5.42 | 5.17 | 18 | | |
| M349 | Perform leak checks of pitot-static systems | 41 | 52 | 42 | 88 | 25 | 5.99 | 5.82 | 18 | | |
| P399 | Change ultrahigh frequency (UHF) or very-high frequency (VHF) radio preset frequencies | 53 | 58 | 39 | 44 | 81 | 5.45 | 4.01 | 18 | | |
| P421 | Remove or install UHF antennas | 60 | 68 | 43 | 53 | 89 | 5.22 | 4.87 | 18 | | |
| Q425 | Interpret BIT results on air-to-air identification friend or foe (IFF) systems | 49 | 54 | 35 | 28 | 75 | 5.19 | 4.58 | 18 | | |
| Q426 | Interpret BIT results on tactical air navigation (TACAN) systems | 50 | 56 | 41 | 31 | 74 | 5.36 | 4.61 | 18 | | |
| R488 | Operate integrated avionics systems for RTWS troubleshooting | 40 | 50 | 23 | 28 | 75 | 5.28 | 5.34 | 18 | | |

JOB SATISFACTION ANALYSIS

An examination of the job satisfaction indicators of various groups can give career ladder managers a better understanding of some of the factors which may affect the job performance of airmen in the career ladder. Attitude questions covering job interest, perceived utilization of talents and training, sense of accomplishment from work, and reenlistment intentions were included in the survey booklet to provide indications of job satisfaction.

Table 63 presents job satisfaction data for AFSC 2A3X2 TAFMS groups, together with TAFMS data for a comparative sample of Mission Equipment career ladders surveyed in 1996. Across all three TAFMS groups, the 2A3X2 personnel rated their job as interesting as the comparative sample. The perception of job interest, utilization of talents, utilization of training, and sense of accomplishment gained from work are rated slightly higher than the comparative sample. Reenlistment intentions are rated much lower for 2A3X2 first enlistment personnel than the comparative sample.

An indication of how job satisfaction perceptions have changed over time is provided in Table 64, where again TAFMS data for the current survey respondents are presented, along with data from the last OSR. Reviewing this table, current survey satisfaction ratings for job interest and perceived utilization of talents are slightly lower than the 2A3X2 first- and second-enlistment groups. All groups rate training higher than the previous survey. Reenlistment intentions for second-enlistment and career airmen are higher than the previous survey, while first-enlistment airmen rate reenlistment intentions considerably lower.

In Table 65, a review of the job satisfaction data for personnel in the specialty jobs identified in this survey reveals that airmen in most jobs responded very positively to all the indicators listed. The exceptions were the F-117 Integrated Avionics, "A" Shop, "B" Shop, and "C" Shop jobs, whose incumbents indicated lower reenlistment intentions than members of other jobs.

TABLE 63

COMPARISON OF JOB SATISFACTION INDICATORS BY TAFMS GROUPS
(PERCENT MEMBERS RESPONDING)

| | 1-48 MOS TAFMS | | 49-96 MOS TAFMS | | 97+ MOS TAFMS | |
|--|--------------------------|------------------------------|--------------------------|----------------------------|--------------------------|------------------------------|
| | 1997 2A3X2 (N=308) | COMP SAMPLE* (N=1,280) | 1997 2A3X2 (N=139) | COMP SAMPLE* (N=805) | 1997 2A3X2 (N=424) | COMP SAMPLE* (N=1,693) |
| <u>EXPRESSED JOB INTEREST:</u> | | | | | | |
| INTERESTING | 75 | 74 | 71 | 73 | 78 | 75 |
| SO-SO | 14 | 15 | 16 | 17 | 14 | 15 |
| DULL | 11 | 11 | 14 | 10 | 8 | 10 |
| <u>PERCEIVED UTILIZATION OF TALENTS:</u> | | | | | | |
| FAIRLY WELL TO PERFECTLY | 78 | 81 | 78 | 82 | 83 | 83 |
| LITTLE OR NOT AT ALL | 12 | 19 | 22 | 18 | 17 | 17 |
| <u>PERCEIVED UTILIZATION OF TRAINING:</u> | | | | | | |
| FAIRLY WELL TO PERFECTLY | 87 | 86 | 86 | 82 | 80 | 76 |
| LITTLE OR NOT AT ALL | 13 | 14 | 14 | 18 | 20 | 24 |
| <u>SENSE OF ACCOMPLISHMENT GAINED FROM WORK:</u> | | | | | | |
| SATISFIED | 70 | 57 | 71 | 71 | 76 | 73 |
| NEUTRAL | 14 | 42 | 14 | 28 | 9 | 10 |
| DISSATISFIED | 16 | 1 | 15 | 1 | 15 | 17 |
| <u>REENLISTMENT INTENTIONS:</u> | | | | | | |
| YES, OR PROBABLY YES | 38 | 72 | 68 | 72 | 71 | 72 |
| NO, OR PROBABLY NO | 62 | 28 | 32 | 28 | 10 | 9 |
| PLAN TO RETIRE | 0 | 0 | 0 | 0 | 18 | 19 |

* Comparative sample of Mission Equipment Management career ladders surveyed in 1996 include the 2A0X1A, 23X1A/B/C, 2E1X2, 2E7X3, and 2M0X3 AFSCs

TABLE 64

COMPARISON OF CURRENT SURVEY AND PREVIOUS SURVEY TAFMS GROUPS
(PERCENT MEMBERS RESPONDING)

| | 1-48 MOS TAFMS | | 49-96 MOS TAFMS | | 97+ MOS TAFMS | |
|---|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| | 1997 2A3X2 (N=308) | 1991 452X2 (N=414) | 1997 2A3X2 (N=139) | 1991 452X2 (N=207) | 1997 2A3X2 (N=424) | 1991 452X2 (N=410) |
| <u>EXPRESSED JOB INTEREST:</u> | | | | | | |
| INTERESTING | 75 | 82 | 71 | 75 | 78 | 76 |
| SO-SO | 14 | 83 | 16 | 14 | 14 | 15 |
| DULL | 11 | 10 | 14 | 10 | 8 | 9 |
| <u>PERCEIVED UTILIZATION OF TALENTS:</u> | | | | | | |
| FAIRLY WELL TO PERFECTLY | 78 | 81 | 78 | 79 | 83 | 79 |
| LITTLE OR NOT AT ALL | 12 | 19 | 22 | 21 | 17 | 21 |
| <u>PERCEIVED UTILIZATION OF TRAINING:</u> | | | | | | |
| FAIRLY WELL TO PERFECTLY | 87 | 82 | 86 | 80 | 80 | 75 |
| LITTLE OR NOT AT ALL | 13 | 17 | 14 | 20 | 20 | 25 |
| <u>SENSE OF ACCOMPLISHMENT GAINED</u> | | | | | | |
| <u>FROM WORK:</u> | | | | | | |
| SATISFIED | 70 | * | 71 | * | 76 | * |
| NEUTRAL | 14 | * | 14 | * | 9 | * |
| DISSATISFIED | 16 | * | 15 | * | 15 | * |
| <u>REENLISTMENT INTENTIONS:</u> | | | | | | |
| YES, OR PROBABLY YES | 38 | 49 | 68 | 58 | 71 | 69 |
| NO, OR PROBABLY NO | 62 | 51 | 32 | 42 | 10 | 16 |
| PLAN TO RETIRE | 0 | 0 | 0 | 0 | 18 | 15 |

* Information not included in previous survey

** Previous survey may not total 100 percent due to rounding

TABLE 65

COMPARISONS OF JOB SATISFACTION INDICATORS BY SPECIALTY JOBS
(PERCENT MEMBERS RESPONDING)

| ACFT GENERATION JOB (ST066) (N=17) | "A" SHOP JOB (ST122) (N=121) | "B" SHOP JOB (ST170) (N=32) | "C" SHOP JOB (ST099) (N=71) | F-16 INT AVIONICS JOB (ST237) (N=742) |
|--|--|---|---|---|
| INTERESTING | 79 | 88 | 73 | 80 |
| SO-SO | 9 | 6 | 18 | 13 |
| DULL | 12 | 6 | 8 | 7 |
| FAIRLY WELL TO PERFECTLY LITTLE OR NOT AT ALL | 79 21 | 84 16 | 79 20 | 86 14 |
| FAIRLY WELL TO PERFECTLY LITTLE OR NOT AT ALL | 90 10 | 94 6 | 93 7 | 90 10 |
| SATISFIED | 74 | 66 | 75 | 74 |
| NEUTRAL | 14 | 22 | 11 | 12 |
| DISSATISFIED | 12 | 12 | 14 | 14 |
| YES, OR PROBABLY YES | 46 | 44 | 56 | 75 |
| NO, OR PROBABLY NO | 53 | 53 | 39 | 19 |
| WILL RETIRE | 1 | 1 | 4 | 6 |

EXPRESSED JOB INTEREST:

INTERESTING
SO-SO
DULL

PERCEIVED UTILIZATION OF TALENTS:

FAIRLY WELL TO PERFECTLY
LITTLE OR NOT AT ALL

PERCEIVED UTILIZATION OF TRAINING:

FAIRLY WELL TO PERFECTLY
LITTLE OR NOT AT ALL

SENSE OF ACCOMPLISHMENT GAINED FROM WORK:

SATISFIED
NEUTRAL
DISSATISFIED

REENLISTMENT INTENTIONS:

YES, OR PROBABLY YES
NO, OR PROBABLY NO
WILL RETIRE

TABLE 65 (CONTINUED)

COMPARISONS OF JOB SATISFACTION INDICATORS BY SPECIALTY JOBS
(PERCENT MEMBERS RESPONDING)

| F-117A INT AVIONICS JOB (ST261) (N=56) | MAINT TNG SUPERVISOR JOB (ST116) (N=10) | INSTRUCTOR JOB (ST038) (N=18) | DEBRIEFING JOB (ST078) (N=23) | EQUIP SUPPORT JOB (ST062) (N=22) |
|--|---|--|--|--|
| 86 | 100 | 78 | 70 | 64 |
| 12 | 0 | 11 | 22 | 9 |
| 2 | 0 | 11 | 8 | 27 |
| 86 | 100 | 83 | 79 | 59 |
| 14 | 0 | 17 | 21 | 41 |
| 77 | 90 | 89 | 57 | 59 |
| 23 | 10 | 11 | 43 | 41 |
| 93 | 90 | 78 | 70 | 59 |
| 5 | 10 | 0 | 13 | 5 |
| 2 | 0 | 22 | 17 | 36 |
| 48 | 70 | 83 | 48 | 59 |
| 43 | 0 | 11 | 39 | 36 |
| 9 | 30 | 6 | 13 | 5 |

EXPRESSED JOB INTEREST:

INTERESTING
SO-SO
DULL

PERCEIVED UTILIZATION OF TALENTS:

FAIRLY WELL TO PERFECTLY
LITTLE OR NOT AT ALL

PERCEIVED UTILIZATION OF TRAINING:

FAIRLY WELL TO PERFECTLY
LITTLE OR NOT AT ALL

SENSE OF ACCOMPLISHMENT GAINED FROM WORK:

SATISFIED
NEUTRAL
DISSATISFIED

REENLISTMENT INTENTIONS:

YES, OR PROBABLY YES
NO, OR PROBABLY NO
WILL RETIRE

TABLE 65 (CONTINUED)

COMPARISONS OF JOB SATISFACTION INDICATORS BY SPECIALTY JOBS
(PERCENT MEMBERS RESPONDING)

| EXPEDITER JOB (ST086) (N=9) | QUALITY ASSURANCE JOB (ST090) (N=26) | SUPERVISOR JOB (ST085) (N=78) | SAFETY/ SECURITY JOB (ST077) (N=7) | TODA JOB (ST103) (N=8) |
|--------------------------------------|--|--|--|---------------------------------|
| 100 | 80 | 89 | 72 | 38 |
| 0 | 12 | 6 | 14 | 50 |
| 0 | 8 | 5 | 14 | 12 |
| 100 | 88 | 91 | 21 | 50 |
| 0 | 12 | 9 | 79 | 50 |
| 100 | 88 | 82 | 29 | 50 |
| 0 | 12 | 18 | 71 | 50 |
| 100 | 81 | 81 | 57 | 75 |
| 0 | 4 | 9 | 29 | 13 |
| 0 | 15 | 10 | 14 | 12 |
| 56 | 88 | 69 | 71 | 75 |
| 22 | 4 | 5 | 29 | 13 |
| 22 | 8 | 26 | 0 | 12 |

EXPRESSED JOB INTEREST:

INTERESTING
SO-SO
DULL

PERCEIVED UTILIZATION OF TALENTS:

FAIRLY WELL TO PERFECTLY
LITTLE OR NOT AT ALL

PERCEIVED UTILIZATION OF TRAINING:

FAIRLY WELL TO PERFECTLY
LITTLE OR NOT AT ALL

SENSE OF ACCOMPLISHMENT GAINED FROM WORK:

SATISFIED
NEUTRAL
DISSATISFIED

REENLISTMENT INTENTIONS:

YES, OR PROBABLY YES
NO, OR PROBABLY NO
WILL RETIRE

IMPLICATIONS

This survey was initiated to provide current job and task data for use in evaluating the AFMAN 36-2108 *Specialty Description* and appropriate training documents.

Survey results clearly indicate that the present classification structure, as described in the latest specialty description, accurately portrays the jobs performed in this career ladder. Career ladder training documents appear, on the whole, to be well supported by survey data. As was pointed out in the **JOB SATISFACTION ANALYSIS** section, job satisfaction responses by AFSC 2A3X2 personnel reported the utilization of training is adequate, thus indicating support for the overall training system. Additionally, the career ladder progression is good, with the move from technical work at the 3- and 5-skill levels to supervisory and management at the 7-skill level.

APPENDIX A

SELECTED REPRESENTATIVE TASKS PERFORMED BY
SPECIALTY JOB GROUPS

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TABLE A1

AIRCRAFT GENERATION JOB
(ST066)

| REPRESENTATIVE TASKS | | PERCENT MEMBERS PERFORMING |
|----------------------|---|----------------------------------|
| H267 | Operationally check INSs | 88 |
| F208 | Operationally check UFCs | 88 |
| F195 | Operate head up display (HUD) systems for integrated troubleshooting | 88 |
| F218 | Perform safety wiring | 88 |
| F171 | Inspect aircraft wiring | 82 |
| F215 | Perform BIT on UFCs | 82 |
| F220 | Plug or cap electrical or air lines | 76 |
| H273 | Remove and install INU batteries | 76 |
| F228 | Remove or install cannon-plug or wafer connectors | 76 |
| G259 | Operate FCR for operational checks or troubleshooting of other systems | 76 |
| F219 | Perform TCTO modifications | 76 |
| C117 | Initiate or annotate aircraft flight or maintenance records, such as AF Forms 781 series | 71 |
| C108 | Access core automated maintenance system (CAMS) menus and data screens | 71 |
| G263 | Remove or install FCR system LRUs | 71 |
| F194 | Load and verify line replaceable units (LRUs) with memory loader verifiers (MLVs) | 71 |
| H274 | Remove or install INS LRUs | 71 |
| F240 | Remove or install glare shields | 71 |
| V508 | Launch or recover aircraft | 65 |
| F196 | Operate interphone systems to troubleshoot integrated avionics systems | 65 |
| F172 | Inspect flightline support equipment | 65 |
| F205 | Operationally check panel lighting | 65 |
| F175 | Interpret BIT results on up-front controls (UFCs) | 65 |
| F188 | Isolate malfunctions to defective wiring | 65 |
| J297 | Operationally check HUD systems | 65 |
| F226 | Remove or install avionic systems minor hardware, such as control knobs | 65 |
| Q424 | Insert mode-4 codes | 59 |
| H270 | Perform preflight INS alignments | 59 |
| F170 | Adjust avionic systems minor hardware, such as control knobs | 59 |
| F187 | Isolate malfunctions to avionics relays or relay matrixes | 59 |
| F186 | Isolate malfunctions of UFCs | 59 |
| J302 | Remove or install AVTR system LRUs | 59 |
| F207 | Operationally check throttle grip assemblies | 59 |
| F203 | Operationally check HSIs | 59 |
| F242 | Remove or install HSIs | 59 |
| F223 | Remove or install ADIs | 59 |
| I285 | Remove or install FCC or GAC system LRUs | 59 |
| E162 | Inventory equipment, tools, parts, or supplies | 53 |
| V535 | Remove or install aircraft safety pins or locks | 53 |
| V524 | Position or remove aircraft chocks | 53 |
| K312 | Perform BIT on MFDs or CMDIs | 53 |
| I280 | Operate FCCs or GACs for integrated avionic systems | 53 |

TABLE A2

“A” SHOP JOB
(ST122)

| REPRESENTATIVE TASKS | | PERCENT MEMBERS PERFORMING |
|----------------------|--|----------------------------------|
| H267 | Operationally check INSs | 99 |
| J297 | Operationally check HUD systems | 99 |
| J303 | Remove or install HUD system LRUs | 98 |
| G263 | Remove or install FCR system LRUs | 96 |
| H274 | Remove or install INS LRUs | 96 |
| G257 | Isolate malfunctions to FCR system LRUs | 95 |
| I280 | Operate FCCs or GACs for integrated avionic systems | 95 |
| G259 | Operate FCR for operational checks or troubleshooting of other systems | 94 |
| F195 | Operate head up display (HUD) systems for integrated troubleshooting | 94 |
| I275 | Isolate malfunctions to fire control computers (FCCs) or general avionics computers (GACs) | 93 |
| G256 | Interpret BIT results on FCR systems | 93 |
| I283 | Operationally check FCC or GAC systems | 93 |
| H266 | Isolate malfunctions to inertial navigation system (INS) LRUs | 92 |
| H273 | Remove and install INU batteries | 92 |
| F215 | Perform BIT on UFCs | 91 |
| F208 | Operationally check UFCs | 91 |
| I285 | Remove or install FCC or GAC system LRUs | 89 |
| J299 | Perform BIT on HUD systems | 89 |
| I279 | Load and verify canopy or correction coefficients | 89 |
| F194 | Load and verify line replaceable units (LRUs) with memory loader verifiers (MLVs) | 89 |
| F186 | Isolate malfunctions of UFCs | 89 |
| G262 | Pressure test waveguide assemblies | 88 |
| F218 | Perform safety wiring | 88 |
| K309 | Operationally check MFDs or CMDIs | 88 |
| J295 | Isolate malfunctions to HUD pilot display units (PDUs) | 86 |
| J296 | Operationally check AVTR systems | 87 |
| J302 | Remove or install AVTR system LRUs | 86 |
| F171 | Inspect aircraft wiring | 86 |
| F175 | Interpret BIT results on up-front controls (UFCs) | 85 |
| K312 | Perform BIT on MFDs or CMDIs | 84 |
| K304 | Interpret BIT results on multifunction displays (MFDs) or color multifunction display indicators (CMDIs) | 83 |
| F225 | Remove or install avionic power panels | 83 |
| C108 | Access core automated maintenance system (CAMS) menus and data screens | 80 |
| F188 | Isolate malfunctions to defective wiring | 80 |
| F240 | Remove or install glare shields | 79 |
| F251 | Remove or install UFC LRUs | 79 |
| F170 | Adjust avionic systems minor hardware, such as control knobs | 79 |
| F228 | Remove or install cannon-plug or wafer connectors | 79 |
| F226 | Remove or install avionic systems minor hardware, such as control knobs | 77 |
| F187 | Isolate malfunctions to avionics relays or relay matrixes | 77 |

TABLE A3

"B" SHOP JOB
(ST170)

| REPRESENTATIVE TASKS | | PERCENT MEMBERS PERFORMING |
|----------------------|--|----------------------------------|
| L341 | Remove or install flight control system LRUs | 100 |
| L338 | Perform flight control systems self-tests or BITs | 100 |
| N353 | Calibrate fuel quantity indicating systems | 100 |
| L323 | Isolate malfunctions of flight control systems | 97 |
| M351 | Remove or install central air data system LRUs | 97 |
| N356 | Isolate malfunctions of fuel quantity indicating systems | 97 |
| L336 | Perform flight control manual trim checks | 94 |
| N363 | Operationally check fuel quantity indicating systems | 94 |
| O385 | Operationally check AOA indicating systems | 94 |
| L319 | Isolate malfunctions of air data systems | 91 |
| F171 | Inspect aircraft wiring | 91 |
| M344 | Isolate malfunctions of central air data computers (CADCs) | 91 |
| M347 | Operationally check central air data systems | 91 |
| O384 | Operationally check air speed mach indicating systems | 91 |
| O392 | Remove or install AOA indicators | 91 |
| M349 | Perform leak checks of pitot-static systems | 88 |
| F170 | Adjust avionic systems minor hardware, such as control knobs | 88 |
| M348 | Operationally check pitot-static probe heaters | 88 |
| M352 | Remove or install pitot-static components | 88 |
| M343 | Isolate malfunctions of air speed mach indicating systems | 88 |
| N370 | Remove or install fuel quantity indicating system components | 88 |
| O394 | Remove or install mach indicators | 88 |
| O391 | Remove or install AOA indexers | 88 |
| L329 | Operate flight control systems for integrated avionic systems troubleshooting | 84 |
| F201 | Operationally check flight control stick-grip assemblies | 84 |
| F179 | Isolate malfunctions of flight control stick-grip assemblies | 84 |
| O378 | Isolate malfunctions of AOA indicating systems | 84 |
| F203 | Operationally check HSIs | 84 |
| M345 | Isolate malfunctions of pitot-static systems | 81 |
| F190 | Isolate malfunctions to weight-on-wheel switches | 81 |
| O390 | Remove or install altimeters | 81 |
| O398 | Remove or install standby attitude indicators | 81 |
| N354 | Isolate malfunctions of fan turbine inlet temperature(FTIT) indicating systems | 81 |
| N368 | Remove or install FTIT indicators | 81 |
| N361 | Operationally check FTIT indicating systems | 81 |
| F218 | Perform safety wiring | 78 |
| L335 | Operationally check seat data recorders | 78 |
| F209 | Operationally check weight-on-wheel switches | 78 |
| O383 | Operate flight instrument systems for integrated avionic systems | 78 |
| F228 | Remove or install cannon-plug or wafer connectors | 78 |
| F197 | Operationally check ADIs | 78 |
| O396 | Remove or install rate-of-turn gyros | 78 |

TABLE A4

"C" SHOP JOB
(ST099)

| REPRESENTATIVE TASKS | | PERCENT MEMBERS PERFORMING |
|----------------------|--|----------------------------------|
| P422 | Remove or install UHF system LRUs | 99 |
| Q424 | Insert mode-4 codes | 97 |
| P416 | Operationally check UHF systems | 96 |
| P417 | Operationally check VHF systems | 94 |
| P408 | Isolate malfunctions of UHF systems | 94 |
| P423 | Remove or install VHF system LRUs | 93 |
| P409 | Isolate malfunctions of VHF systems | 93 |
| P421 | Remove or install UHF antennas | 92 |
| R458 | Remove or install RTWS LRUs | 90 |
| P400 | Insert codes into secure voice units | 90 |
| Q435 | Operationally check TACAN systems | 90 |
| P414 | Operationally check intercommunication systems | 89 |
| P415 | Operationally check secure voice systems | 87 |
| Q433 | Operationally check IFF systems | 87 |
| R451 | Operationally check RTWSs | 86 |
| F196 | Operate interphone systems to troubleshoot integrated avionics systems | 86 |
| P407 | Isolate malfunctions of UHF antennas | 86 |
| Q443 | Remove or install TACAN system LRUs | 85 |
| Q440 | Remove or install IFF system LRUs | 83 |
| Q431 | Isolate malfunctions of TACAN systems | 83 |
| R456 | Remove or install ECM pods, pylons, or controls | 82 |
| Q425 | Interpret BIT results on air-to-air identification friend or foe (IFF) systems | 82 |
| P420 | Remove or install secure voice system LRUs | 82 |
| P410 | Load HAVE QUICK frequencies | 82 |
| Q428 | Isolate malfunctions of IFF systems | 82 |
| P399 | Change ultrahigh frequency (UHF) or very-high frequency(VHF) radio preset frequencies | 80 |
| R444 | Isolate malfunctions of chaff-/flare dispenser systems(CFDSs) | 80 |
| P406 | Isolate malfunctions of secure voice systems | 80 |
| Q436 | Perform BIT on IFF systems | 80 |
| R448 | Operate integrated avionic systems for RTWS troubleshooting | 79 |
| P412 | Operationally check HAVE QUICK systems | 79 |
| P419 | Remove or install intercommunication system LRUs | 79 |
| Q434 | Operationally check ILS systems | 79 |
| R447 | Isolate malfunctions of radar threat warning systems (RTWSs) | 77 |
| F170 | Adjust avionic systems minor hardware, such as control knobs | 77 |
| P405 | Isolate malfunctions of interphone systems | 77 |
| Q438 | Perform BIT on TACAN systems | 77 |
| F171 | Inspect aircraft wiring | 73 |
| Q426 | Interpret BIT results on tactical air navigation (TACAN) systems | 73 |
| C108 | Access core automated maintenance system (CAMS) menus and data screens | 72 |
| F194 | Load and verify line replaceable units (LRUs) with memory loader verifiers (MLVs) | 70 |

TABLE A5

F-16 INTEGRATED AVIONICS JOB
(ST237)

| REPRESENTATIVE TASKS | | PERCENT MEMBERS PERFORMING |
|----------------------|--|----------------------------------|
| F196 | Operate interphone systems to troubleshoot integrated avionics systems | 99 |
| F171 | Inspect aircraft wiring | 98 |
| P422 | Remove or install UHF system LRUs | 98 |
| F228 | Remove or install cannon-plug or wafer connectors | 98 |
| F203 | Operationally check HSIs | 98 |
| F242 | Remove or install HSIs | 98 |
| P416 | Operationally check UHF systems | 98 |
| H267 | Operationally check INSs | 98 |
| F226 | Remove or install avionic systems minor hardware, such as control knobs | 98 |
| F195 | Operate head up display (HUD) systems for integrated troubleshooting | 98 |
| H274 | Remove or install INS LRUs | 97 |
| G263 | Remove or install FCR system LRUs | 97 |
| P417 | Operationally check VHF systems | 97 |
| J297 | Operationally check HUD systems | 97 |
| F218 | Perform safety wiring | 97 |
| F227 | Remove or install avionic systems relays or relay matrixes | 97 |
| P421 | Remove or install UHF antennas | 97 |
| F197 | Operationally check ADIs | 96 |
| F223 | Remove or install ADIs | 96 |
| P408 | Isolate malfunctions of UHF systems | 96 |
| F170 | Adjust avionic systems minor hardware, such as control knobs | 96 |
| P423 | Remove or install VHF system LRUs | 96 |
| G259 | Operate FCR for operational checks or troubleshooting of other systems | 96 |
| I275 | Isolate malfunctions to fire control computers (FCCs) or general avionics computers (GACs) | 96 |
| Q424 | Insert mode-4 codes | 96 |
| J303 | Remove or install HUD system LRUs | 96 |
| P414 | Operationally check intercommunication systems | 96 |
| I280 | Operate FCCs or GACs for integrated avionic systems | 95 |
| P409 | Isolate malfunctions of VHF systems | 95 |
| F230 | Remove or install coaxial cables | 95 |
| Q433 | Operationally check IFF systems | 95 |
| H266 | Isolate malfunctions to inertial navigation system (INS) LRUs | 95 |
| Q443 | Remove or install TACAN system LRUs | 95 |
| G257 | Isolate malfunctions to FCR system LRUs | 95 |
| F188 | Isolate malfunctions to defective wiring | 95 |
| F187 | Isolate malfunctions to avionics relays or relay matrixes | 95 |
| F225 | Remove or install avionic power panels | 95 |
| Q435 | Operationally check TACAN systems | 95 |
| F240 | Remove or install glare shields | 95 |
| Q440 | Remove or install IFF system LRUs | 95 |
| P407 | Isolate malfunctions of UHF antennas | 95 |
| R447 | Isolate malfunctions of radar threat warning systems (RTWSs) | 94 |
| I283 | Operationally check FCC or GAC systems | 94 |

TABLE A6

F-117 INTEGRATED AVIONICS JOB
(ST261)

| REPRESENTATIVE TASKS | | PERCENT MEMBERS PERFORMING |
|----------------------|---|----------------------------------|
| F244 | Remove or install IRAD LRUs | 100 |
| Q437 | Perform BIT on NIACs | 100 |
| F245 | Remove or install LOIS LRUs | 100 |
| F197 | Operationally check ADIs | 100 |
| Q430 | Isolate malfunctions of navigation interface autopilot computers (NIACs) | 98 |
| Q442 | Remove or install NIAC LRUs | 98 |
| F170 | Adjust avionic systems minor hardware, such as control knobs | 98 |
| P421 | Remove or install UHF antennas | 98 |
| P407 | Isolate malfunctions of UHF antennas | 98 |
| Q439 | Remove or install AHRS LRUs | 98 |
| Q434 | Operationally check ILS systems | 98 |
| F211 | Perform BIT of IRAD systems | 96 |
| F181 | Isolate malfunctions of infrared acquisition and designation (IRAD) systems | 96 |
| Q424 | Insert mode-4 codes | 96 |
| K309 | Operationally check MFDs or CMDIs | 96 |
| F171 | Inspect aircraft wiring | 96 |
| F200 | Operationally check EDTMs | 96 |
| F172 | Inspect flightline support equipment | 96 |
| L320 | Isolate malfunctions of autopilot systems | 96 |
| P422 | Remove or install UHF system LRUs | 96 |
| Q429 | Isolate malfunctions of instrument landing systems (ILSs) | 96 |
| I282 | Operate WSCSs for integrated avionic systems | 95 |
| C108 | Access core automated maintenance system (CAMS) menus and data screens | 95 |
| V535 | Remove or install aircraft safety pins or locks | 95 |
| Q432 | Operationally check AHRSs | 95 |
| L323 | Isolate malfunctions of flight control systems | 95 |
| Q433 | Operationally check IFF systems | 95 |
| F203 | Operationally check HSIs | 95 |
| P408 | Isolate malfunctions of UHF systems | 95 |
| Q428 | Isolate malfunctions of IFF systems | 95 |
| F188 | Isolate malfunctions to defective wiring | 95 |
| F180 | Isolate malfunctions of horizontal situational indicators(HSIs) | 95 |
| Q435 | Operationally check TACAN systems | 95 |
| F191 | Isolate malfunctions within attitude direction indicators (ADIs) | 95 |
| H267 | Operationally check INSs | 93 |
| K307 | Isolate malfunctions to MFD or CMDI systems | 93 |
| J302 | Remove or install AVTR system LRUs | 93 |
| L331 | Operationally check autopilot systems | 93 |
| K315 | Remove or install MFD or CMDI LRUs | 93 |
| F196 | Operate interphone systems to troubleshoot integrated avionics systems | 93 |
| Q427 | Isolate malfunctions of attitude heading reference systems (AHRSs) | 93 |
| P416 | Operationally check UHF systems | 93 |

TABLE A7

MAINTENANCE TRAINING SUPERVISOR JOB
(ST116)

| REPRESENTATIVE TASKS | | PERCENT MEMBERS PERFORMING |
|----------------------|---|----------------------------------|
| A65 | Plan or schedule work assignments or priorities | 100 |
| A13 | Determine or establish logistics requirements, such as personnel, equipment, tools, parts, supplies, or workspace | 100 |
| C117 | Initiate or annotate aircraft flight or maintenance records, such as AF Forms 781 series | 100 |
| A7 | Conduct self-inspections or self-assessments | 100 |
| A12 | Counsel subordinates concerning personal matters | 100 |
| A15 | Determine or establish work assignments or priorities | 100 |
| A22 | Develop self-inspection or self-assessment program checklists | 100 |
| F003 | Operationally check HSIs | 100 |
| A75 | Write performance reports or supervisory appraisals | 90 |
| A59 | Participate in general meetings, such as staff meetings, briefings, conferences, or workshops, other than conducting | 90 |
| A72 | Supervise military personnel | 90 |
| A24 | Direct training functions | 90 |
| A18 | Develop or establish work methods or procedures | 90 |
| C122 | Review aircraft flight or maintenance records, such as AF Forms 781 series | 90 |
| A5 | Conduct general meetings, such as staff meetings, briefings, conferences, or workshops | 90 |
| A10 | Conduct supervisory performance feedback sessions | 90 |
| A19 | Develop or establish work schedules | 90 |
| A2 | Assign personnel to work areas or duty positions | 90 |
| A25 | Draft agenda for general meetings, such as staff meetings, briefings, conferences, or workshops | 90 |
| C111 | Clear Red-X conditions | 90 |
| A23 | Direct administrative functions | 90 |
| A9 | Conduct supervisory orientations for newly assigned personnel | 90 |
| A55 | Inspect personnel for compliance with military standards | 90 |
| F198 | Operationally check CARAs | 90 |
| F171 | Inspect aircraft wiring | 90 |
| F197 | Operationally check ADIs | 90 |
| F170 | Adjust avionic systems minor hardware, such as control knobs | 90 |
| F180 | Isolate malfunctions of horizontal situational indicators (HSIs) | 90 |
| B99 | Maintain training records or files | 80 |
| A69 | Schedule personnel for temporary duty (TDY) assignments, leaves, or passes | 80 |
| B101 | Plan or schedule training | 80 |
| A76 | Write recommendations for awards or decorations | 80 |
| A32 | Establish performance standards for subordinates | 80 |
| A45 | Evaluate personnel for promotion, demotion, reclassification, or special awards | 80 |
| A48 | Evaluate work schedules | 80 |
| B94 | Evaluate personnel to determine training needs | 80 |
| H267 | Operationally check INSs | 80 |

TABLE A8

INSTRUCTOR JOB
(ST038)

| REPRESENTATIVE TASKS | | PERCENT MEMBERS PERFORMING |
|----------------------|---|----------------------------------|
| B100 | Personalize lesson plans | 100 |
| B79 | Administer or score tests | 100 |
| B83 | Conduct formal course classroom training | 89 |
| B95 | Evaluate progress of trainees | 89 |
| B86 | Counsel trainees on training progress | 72 |
| A44 | Evaluate personnel for compliance with performance standards | 61 |
| B98 | Inspect training materials or aids for operation or suitability | 61 |
| Q435 | Operationally check TACAN systems | 61 |
| Q433 | Operationally check IFF systems | 61 |
| P416 | Operationally check UHF systems | 61 |
| S471 | Upload or download TGT pods | 61 |
| D147 | Maintain technical order libraries | 56 |
| E162 | Inventory equipment, tools, parts, or supplies | 56 |
| C117 | Initiate or annotate aircraft flight or maintenance records, such as AF Forms 781 series | 56 |
| B99 | Maintain training records or files | 50 |
| B90 | Develop training materials or aids | 50 |
| Q424 | Insert mode-4 codes | 50 |
| B92 | Establish or maintain study reference files | 44 |
| A59 | Participate in general meetings, such as staff meetings, briefings, conferences, or workshops, other than conducting | 44 |
| E157 | Evaluate serviceability of equipment, tools, parts, or supplies | 44 |
| Q438 | Perform BIT on TACAN systems | 44 |
| D129 | Annotate security forms for facilities or security containers | 44 |
| Q443 | Remove or install TACAN system LRUs | 44 |
| C108 | Access core automated maintenance system (CAMS) menus and data screens | 44 |
| B88 | Develop formal course curricula, plans of instructions(POIs), or specialty training standards (STSs) | 39 |
| P422 | Remove or install UHF system LRUs | 39 |
| A51 | Initiate actions required due to substandard performance of personnel | 39 |
| R458 | Remove or install RTWS LRUs | 39 |
| Q440 | Remove or install IFF system LRUs | 39 |
| A55 | Inspect personnel for compliance with military standards | 33 |
| B82 | Complete student entry or withdrawal forms | 33 |
| E163 | Issue or log turn-ins of equipment, tools, parts, or supplies | 33 |
| A42 | Evaluate maintenance or utilization of equipment, tools, parts, supplies, or workspace | 27 |
| B89 | Develop performance tests | 28 |
| A24 | Direct training functions | 22 |
| B84 | Conduct OJT | 22 |
| D144 | Maintain ATOMS accounts | 17 |

TABLE A9

DEBRIEFING JOB
(ST078)

| REPRESENTATIVE TASKS | | PERCENT MEMBERS PERFORMING |
|----------------------|--|----------------------------------|
| C108 | Access core automated maintenance system (CAMS) menus and data screens | 96 |
| C121 | Retrieve CAMS listings or reports | 96 |
| C122 | Review aircraft flight or maintenance records, such as AF Forms 781 series | 70 |
| C128 | Verify accuracy of CAMS daily inputs | 65 |
| C117 | Initiate or annotate aircraft flight or maintenance records, such as AF Forms 781 series | 65 |
| C125 | Update maintenance data collection (MDC) data in CAMS | 61 |
| C124 | Update historical reports in CAMS | 61 |
| C110 | Analyze CAMS data | 48 |
| A18 | Develop or establish work methods or procedures | 48 |
| A15 | Determine or establish work assignments or priorities | 39 |
| A59 | Participate in general meetings, such as staff meetings, briefings, conferences, or workshops, other than conducting | 39 |
| A72 | Supervise military personnel | 35 |
| B84 | Conduct OJT | 35 |
| D145 | Maintain or update status indicators, such as boards, graphs, or charts | 26 |
| A19 | Develop or establish work schedules | 26 |
| A12 | Counsel subordinates concerning personal matters | 26 |
| C109 | Adjust daily maintenance plans to meet operation commitments | 22 |
| A39 | Evaluate job-related suggestions | 22 |
| A7 | Conduct self-inspections or self-assessments | 22 |
| B95 | Evaluate progress of trainees | 22 |
| B87 | Determine training requirements | 22 |
| B99 | Maintain training records or files | 17 |
| C123 | Review preventive maintenance schedules | 13 |
| A74 | Write job or position descriptions | 13 |
| E154 | Coordinate maintenance of equipment with appropriate agencies | 9 |
| D130 | Compile data for records, reports, logs, or trend analyses | 9 |
| C118 | Initiate technical order improvement reports | 4 |

TABLE A10

EQUIPMENT SUPPORT JOB
(ST062)

| REPRESENTATIVE TASKS | PERCENT MEMBERS PERFORMING |
|--|----------------------------------|
| E162 Inventory equipment, tools, parts, or supplies | 95 |
| E157 Evaluate serviceability of equipment, tools, parts, or supplies | 91 |
| E168 Pick up or deliver equipment, tools, parts, or supplies | 82 |
| E158 Identify and report equipment or supply problems | 82 |
| E161 Initiate requisitions for equipment, tools, parts, or supplies | 82 |
| E169 Store equipment, tools, parts, or supplies | 77 |
| E163 Issue or log turn-ins of equipment, tools, parts, or supplies | 77 |
| E154 Coordinate maintenance of equipment with appropriate agencies | 73 |
| C108 Access core automated maintenance system (CAMS) menus and data screens | 73 |
| E165 Maintain documentation on items requiring periodic inspections | 68 |
| E166 Maintain organizational equipment or supply records, such as custodian authorization/custody receipt listings (CA/CRLs) | 64 |
| A13 Determine or establish logistics requirements, such as personnel, equipment, tools, parts, supplies, or workspace | 64 |
| E159 Initiate documentation to turn in excess or surplus property | 64 |
| A7 Conduct self-inspections or self-assessments | 59 |
| E167 Maintain precision measurement equipment (PME) calibration schedules | 55 |
| D129 Annotate security forms for facilities or security containers | 55 |
| A59 Participate in general meetings, such as staff meetings, briefings, conferences, or workshops, other than conducting | 55 |
| A18 Develop or establish work methods or procedures | 55 |
| A72 Supervise military personnel | 50 |
| E160 Initiate letters of justification for supply-related matters | 50 |
| A41 Evaluate logistics requirements, such as personnel, equipment, tools, parts, supplies, or workspace | 50 |
| D130 Compile data for records, reports, logs, or trend analyses | 45 |
| A15 Determine or establish work assignments or priorities | 45 |
| E155 Coordinate supply-related matters with appropriate agencies | 45 |
| D151 Review technical order changes | 41 |
| D152 Safeguard classified materials | 41 |
| D147 Maintain technical order libraries | 36 |

TABLE A11

EXPEDITER JOB
(ST086)

| REPRESENTATIVE TASKS | | PERCENT MEMBERS PERFORMING |
|----------------------|--|----------------------------------|
| A15 | Determine or establish work assignments or priorities | 100 |
| A65 | Plan or schedule work assignments or priorities | 89 |
| C122 | Review aircraft flight or maintenance records, such as AF Forms 781 series | 89 |
| C117 | Initiate or annotate aircraft flight or maintenance records, such as AF Forms 781 series | 89 |
| C109 | Adjust daily maintenance plans to meet operation commitments | 78 |
| C110 | Analyze CAMS data | 78 |
| A13 | Determine or establish logistics requirements, such as personnel, equipment, tools, parts, supplies, or workspace | 78 |
| C123 | Review preventive maintenance schedules | 78 |
| D145 | Maintain or update status indicators, such as boards, graphs, or charts | 67 |
| C108 | Access core automated maintenance system (CAMS) menus and data screens | 67 |
| A59 | Participate in general meetings, such as staff meetings, briefings, conferences, or workshops, other than conducting | 67 |
| A19 | Develop or establish work schedules | 56 |
| E154 | Coordinate maintenance of equipment with appropriate agencies | 56 |
| A72 | Supervise military personnel | 56 |
| C111 | Clear Red-X conditions | 56 |
| E155 | Coordinate supply-related matters with appropriate agencies | 56 |
| E168 | Pick up or deliver equipment, tools, parts, or supplies | 56 |
| A2 | Assign personnel to work areas or duty positions | 44 |
| A5 | Conduct general meetings, such as staff meetings, briefings, conferences, or workshops | 44 |
| D130 | Compile data for records, reports, logs, or trend analyses | 44 |
| A17 | Develop inputs to mobility, contingency, disaster preparedness, or unit emergency or alert plans | 44 |
| C121 | Retrieve CAMS listings or reports | 33 |
| E158 | Identify and report equipment or supply problems | 33 |
| A58 | Maintain or update contingency plans, mobility plans, or base support plans | 33 |
| D136 | Identify and report suspected security compromises | 33 |
| F172 | Inspect flightline support equipment | 33 |
| C128 | Verify accuracy of CAMS daily inputs | 22 |
| A71 | Supervise civilian employees | 22 |

TABLE A12

QUALITY ASSURANCE JOB
(ST090)

| REPRESENTATIVE TASKS | | PERCENT MEMBERS PERFORMING |
|----------------------|--|----------------------------------|
| C122 | Review aircraft flight or maintenance records, such as AF Forms 781 series | 96 |
| A37 | Evaluate job hazards or compliance with Air Force Occupational Safety and Health (AFOSH) Program | 92 |
| D151 | Review technical order changes | 92 |
| C108 | Access core automated maintenance system (CAMS) menus and data screens | 88 |
| A73 | Write inspection reports | 85 |
| A6 | Conduct safety inspections of equipment or facilities | 85 |
| C117 | Initiate or annotate aircraft flight or maintenance records, such as AF Forms 781 series | 85 |
| C121 | Retrieve CAMS listings or reports | 85 |
| F171 | Inspect aircraft wiring | 81 |
| E157 | Evaluate serviceability of equipment, tools, parts, or supplies | 81 |
| A59 | Participate in general meetings, such as staff meetings, briefings, conferences, or workshops, other than conducting | 81 |
| D148 | Participate in TCTO meetings | 81 |
| V503 | Inspect airframe | 77 |
| V501 | Inspect aircraft landing gear systems | 77 |
| C110 | Analyze CAMS data | 77 |
| A7 | Conduct self-inspections or self-assessments | 73 |
| F172 | Inspect flightline support equipment | 73 |
| A68 | Review drafts of regulations, manuals, or other directives | 73 |
| A44 | Evaluate personnel for compliance with performance standards | 69 |
| C120 | Perform time compliance technical order (TCTO) inspections | 69 |
| V500 | Inspect aircraft hydraulic systems | 69 |
| A36 | Evaluate inspection report findings or inspection procedures | 65 |
| A47 | Evaluate safety or security programs | 65 |
| A57 | Investigate accidents or incidents | 65 |
| V502 | Inspect aircraft pneumatic systems | 65 |
| C118 | Initiate technical order improvement reports | 65 |
| C116 | Initiate deficiency, service, or status reports, such as RODs or PQDRs | 62 |
| A39 | Evaluate job-related suggestions | 62 |
| A31 | Establish organizational policies, such as operating instructions (OIs) or standard operating procedures (SOPs) | 62 |
| C128 | Verify accuracy of CAMS daily inputs | 62 |
| C113 | Evaluate deficiency, service, or status reports, such as RODs or Product Quality Deficiency Reports (PQDRs) | 58 |
| C114 | Evaluate equipment development or modification data | 58 |
| A42 | Evaluate maintenance or utilization of equipment, tools, parts, supplies, or workspace | 54 |
| A27 | Draft supplements or changes to directives, such as regulations, manuals, or indexes | 54 |
| V521 | Perform supplemental inspections, such as acceptance, calendar, or time replacement item | 50 |

TABLE A13

SUPERVISOR JOB
(ST085)

| REPRESENTATIVE TASKS | | PERCENT MEMBERS PERFORMING |
|----------------------|--|----------------------------------|
| A72 | Supervise military personnel | 99 |
| A55 | Inspect personnel for compliance with military standards | 94 |
| A59 | Participate in general meetings, such as staff meetings, briefings, conferences, or workshops, other than conducting | 91 |
| A10 | Conduct supervisory performance feedback sessions | 91 |
| A76 | Write recommendations for awards or decorations | 91 |
| A12 | Counsel subordinates concerning personal matters | 90 |
| A15 | Determine or establish work assignments or priorities | 88 |
| A44 | Evaluate personnel for compliance with performance standards | 88 |
| A32 | Establish performance standards for subordinates | 88 |
| A75 | Write performance reports or supervisory appraisals | 87 |
| A19 | Develop or establish work schedules | 87 |
| A9 | Conduct supervisory orientations for newly assigned personnel | 86 |
| A65 | Plan or schedule work assignments or priorities | 85 |
| C108 | Access core automated maintenance system (CAMS) menus and data screens | 85 |
| A56 | Interpret policies, directives, or procedures for subordinates | 82 |
| A2 | Assign personnel to work areas or duty positions | 82 |
| A18 | Develop or establish work methods or procedures | 82 |
| A45 | Evaluate personnel for promotion, demotion, reclassification, or special awards | 82 |
| A13 | Determine or establish logistics requirements, such as personnel, equipment, tools, parts, supplies, or workspace | 81 |
| A48 | Evaluate work schedules | 79 |
| A7 | Conduct self-inspections or self-assessments | 79 |
| A69 | Schedule personnel for temporary duty (TDY) assignments, leaves, or passes | 77 |
| C110 | Analyze CAMS data | 76 |
| A51 | Initiate actions required due to substandard performance of personnel | 76 |
| A49 | Evaluate workload requirements | 74 |
| C121 | Retrieve CAMS listings or reports | 74 |
| A5 | Conduct general meetings, such as staff meetings, briefings, conferences, or workshops | 74 |
| A24 | Direct training functions | 71 |
| B86 | Counsel trainees on training progress | 71 |
| C111 | Clear Red-X conditions | 71 |
| A39 | Evaluate job-related suggestions | 71 |
| A50 | Indorse performance reports or supervisory appraisals | 68 |
| B94 | Evaluate personnel to determine training needs | 68 |
| A38 | Evaluate job or position descriptions | 68 |
| B99 | Maintain training records or files | 67 |
| A41 | Evaluate logistics requirements, such as personnel, equipment, tools, parts, supplies, or workspace | 67 |
| C122 | Review aircraft flight or maintenance records, such as AF Forms 781 series | 65 |

TABLE A14

SAFETY/SECURITY JOB
(ST077)

| REPRESENTATIVE TASKS | | PERCENT MEMBERS PERFORMING |
|----------------------|--|----------------------------------|
| A59 | Participate in general meetings, such as staff meetings, briefings, conferences, or workshops, other than conducting | 100 |
| A7 | Conduct self-inspections or self-assessments | 100 |
| A77 | Write replies to inspection reports | 100 |
| A60 | Plan briefings, conferences, or workshops | 100 |
| A5 | Conduct general meetings, such as staff meetings, briefings, conferences, or workshops | 86 |
| A73 | Write inspection reports | 86 |
| A25 | Draft agenda for general meetings, such as staff meetings, briefings, conferences, or workshops | 86 |
| A66 | Plan safety or security programs | 71 |
| A47 | Evaluate safety or security programs | 71 |
| A68 | Review drafts of regulations, manuals, or other directives | 71 |
| A8 | Conduct staff assistance visits, inspections, or audits | 71 |
| A31 | Establish organizational policies, such as operating instructions (OIs) or standard operating procedures (SOPs) | 71 |
| A36 | Evaluate inspection report findings or inspection procedures | 71 |
| A70 | Schedule staff assistance visits, inspections, or audits | 71 |
| A67 | Plan self-inspection or self-assessment programs | 71 |
| A22 | Develop self-inspection or self-assessment program checklists | 71 |
| A34 | Evaluate accident or incident reports | 57 |
| D145 | Maintain or update status indicators, such as boards, graphs, or charts | 57 |
| D143 | Maintain administrative files | 57 |
| A17 | Develop inputs to mobility, contingency, disaster preparedness, or unit emergency or alert plans | 57 |
| A20 | Develop organizational or functional charts | 57 |
| A57 | Investigate accidents or incidents | 43 |
| C108 | Access core automated maintenance system (CAMS) menus and data screens | 43 |
| C110 | Analyze CAMS data | 43 |
| D136 | Identify and report suspected security compromises | 43 |
| D131 | Complete accident or incident reports | 43 |
| A37 | Evaluate job hazards or compliance with Air Force Occupational Safety and Health (AFOSH) Program | 29 |
| A53 | Initiate incident or accident reports | 29 |
| D130 | Compile data for records, reports, logs, or trend analyses | 29 |

TABLE A15

TECHNICAL ORDER DISTRIBUTION ACCOUNT JOB
(ST103)

| REPRESENTATIVE TASKS | | PERCENT MEMBERS PERFORMING |
|----------------------|---|----------------------------------|
| D151 | Review technical order changes | 100 |
| D144 | Maintain ATOMS accounts | 100 |
| D147 | Maintain technical order libraries | 75 |
| D133 | Destroy classified materials | 75 |
| D134 | Establish accountability records for classified materials or documents | 63 |
| D141 | Inventory classified materials | 63 |
| D135 | Establish automated technical order management system (ATOMS) accounts | 50 |
| D146 | Maintain publication libraries, other than technical order libraries | 38 |
| A7 | Conduct self-inspections or self-assessments | 38 |
| A6 | Conduct safety inspections of equipment or facilities | 25 |
| D150 | Review publishing bulletins | 25 |
| D152 | Safeguard classified materials | 25 |
| D142 | Maintain accountability records for classified materials or documents | 25 |
| E169 | Store equipment, tools, parts, or supplies | 25 |
| D143 | Maintain administrative files | 13 |
| E154 | Coordinate maintenance of equipment with appropriate agencies | 13 |
| E167 | Maintain precision measurement equipment (PME) calibration schedules | 13 |
| A44 | Evaluate personnel for compliance with performance standards | 13 |
| A10 | Conduct supervisory performance feedback sessions | 13 |
| E168 | Pick up or deliver equipment, tools, parts, or supplies | 13 |
| A55 | Inspect personnel for compliance with military standards | 13 |
| D145 | Maintain or update status indicators, such as boards, graphs, or charts | 13 |
| E157 | Evaluate serviceability of equipment, tools, parts, or supplies | 13 |
| E162 | Inventory equipment, tools, parts, or supplies | 13 |
| A19 | Develop or establish work schedules | 13 |
| A8 | Conduct staff assistance visits, inspections, or audits | 13 |
| A14 | Determine or establish publication requirements | 13 |
| D129 | Annotate security forms for facilities or security containers | 13 |
| D130 | Compile data for records, reports, logs, or trend analyses | 13 |

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